

Access DB# 124565

67

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Jack Lane Examiner #: 68699 Date: 06/14/04
Art Unit: 2188 Phone Number 305-3818 Serial Number: 09/819,399
Mail Box Location: 2Y13 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Information processing apparatus, method thereof, information processing system, and medium

Inventors (please provide full names): Mari Horiguchi and Harumi Kawamura

Earliest Priority Filing Date: 03/30/2000

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

See brief summary, abstract, claims and figure.

Search:
Shared storage
Network?
BBs (bulletin board subunit)

~~06-14993 A60029 PML~~

06-15-04A08:24 RCVF

~~06-15-04PA68029PA IN~~

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher: <u>Terese Esterheld</u>	NA Sequence (#) _____	STN _____	
Searcher Phone #: <u>308-7795</u>	AA Sequence (#) _____	Dialog _____	
Searcher Location: <u>4B 30</u>	Structure (#) _____	Questel/Orbit _____	
Date Searcher Picked Up: <u>6/15/04 4:45pm</u>	Bibliographic _____	Dr.Link _____	
Date Completed: <u>6/17/04</u>	Litigation _____	Lexis/Nexis _____	
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____	

Set	Items	Description
S1	6655	AU=(HORIGUCHI, M? OR HORIGUCHI M? OR KAWAMURA, H? OR KAWAM- URA H?)
S2	1263	S1 AND IC=(G06F? OR H04L? OR G11B? OR H04N?)
S3	215	S2 AND IC=(G06G-015/167 OR H04L-012/28 OR G06F-013/38 OR G- 11B-020/10 OR G11B-020/12 OR H04N-005/44 OR H04N-005/765)
S4	24	AU=(HORIGUCHI, M? OR HORIGUCHI M?) AND AU=(KAWAMURA, H? OR KAWAMURA H?)
S5	24	S4 AND IC=(G06F? OR H04L? OR G11B? OR H04N?)

File 347:JAPIO Nov 1976-2004/Feb(Updated 040607)
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File 348:EUROPEAN PATENTS 1978-2004/Jun W02
(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040610,UT=20040603
(c) 2004 WIPO/Univentio

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200437
(c) 2004 Thomson Derwent

5/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07057674 **Image available**
APPARATUS FOR INFORMATION PROCESSING, METHOD AND SYSTEM FOR THE SAME AND
STORAGE MEDIA

PUB. NO.: 2001-285311 [JP 2001285311 A]
PUBLISHED: October 12, 2001 (20011012)
INVENTOR(s): HORIGUCHI MARI
KAWAMURA HARUMI
APPLICANT(s): SONY CORP
APPL. NO.: 2000-097940 [JP 200097940]
FILED: March 30, 2000 (20000330)
INTL CLASS: H04L-012/28 ; G06F-013/38 ; G11B-020/10 ; G11B-020/12 ;
H04N-005/44 ; H04N-005/765

ABSTRACT

PROBLEM TO BE SOLVED: To realize a new adding of a board type of BBS by a
controller.

SOLUTION: In this method, a target unit sets a list ID of a Board Type list
Descriptor for SID's Root list ID, at first, the target unit has only the
Board Type list Descriptor. A list type of the Descriptor sets a newly
defined General Board. The controller transmits instructions to create an
object for the Descriptor, the target unit creates a Child list ID object
responding to the instructions. The controller writes a value of Board Type
ID to be created in the Child list ID so as to add the new board type.

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5/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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06941312 **Image available**
COMMUNICATION METHOD AND COMMUNICATION SYSTEM

PUB. NO.: 2001-168863 [JP 2001168863 A]
PUBLISHED: June 22, 2001 (20010622)
INVENTOR(s): KAWAMURA HARUMI
HORIGUCHI MARI
APPLICANT(s): SONY CORP
APPL. NO.: 11-347989 [JP 99347989]
FILED: December 07, 1999 (19991207)
INTL CLASS: H04L-012/28

ABSTRACT

PROBLEM TO BE SOLVED: To freely attain communication of various information
sets, such as control information among devices which are components of a
network adapting the IEEE 1394 system or the like.

SOLUTION: At least one device connected to the network is provided with a
storage area to/from which data are written/read through the transmission
of a prescribed command from other devices on the network and data can be
communicated within the network, by using this storage area.

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5/5/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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06797172 **Image available**
COMMUNICATING METHOD, COMMUNICATIONS EQUIPMENT AND PROVIDING MEDIUM

PUB. NO.: 2001-024654 [JP 2001024654 A]
PUBLISHED: January 26, 2001 (20010126)
INVENTOR(s): **KAWAMURA HARUMI**
 SATO MAKOTO
 HORIGUCHI MARI
 SATO NAOYUKI
APPLICANT(s): SONY CORP
APPL. NO.: 11-190600 [JP 99190600]
FILED: July 05, 1999 (19990705)
INTL CLASS: **H04L-012/28 ; G06F-013/38 ; H04N-005/44 ; H04N-005/765**

ABSTRACT

PROBLEM TO BE SOLVED: To easily decide connection state in a network by other equipment on the network in the network, such as an IEEE 1394 system.

SOLUTION: In this communicating method for performing communication between equipment connected with a prescribed network, the connecting state in the network is confirmed by setting storage areas 1B, 2B, 3B, 4B of connection information between pieces of equipment to at least one piece of equipment connected with the network with prescribed data structure and reading the connection information written in the storage areas by other equipment connected through the network.

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5/5/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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06772174 **Image available**
DEVICE AND METHOD FOR INFORMATION PROCESSING, AND RECORDING MEDIUM

PUB. NO.: 2000-358048 [JP 2000358048 A]
PUBLISHED: December 26, 2000 (20001226)
INVENTOR(s): **HORIGUCHI MARI**
 SATO MASAHIKO
 YAMAMOTO KAZUO
 KAWAMURA HARUMI
APPLICANT(s): SONY CORP
APPL. NO.: 11-251104 [JP 99251104]
FILED: September 06, 1999 (19990906)
PRIORITY: 10-261519 [JP 98261519], JP (Japan), September 16, 1998
 (19980916)
 11-106411 [JP 99106411], JP (Japan), April 14, 1999
 (19990414)
INTL CLASS: **H04L-012/40**

ABSTRACT

PROBLEM TO BE SOLVED: To accurately control a target even when UTC(universal time code) is reference time.

SOLUTION: When reservation information using a VCR subunit 33 of DVCR 3 is inputted, a controller 11 for IRD operating with UTC as reference time reads out the offset time of the DVCR 3 for the UTC stored in BBS 34 of the DVCR 3 and uses this to convert the use time of an inputted VCR subunit 33 into the use time of the local time of the DVCR 3. The converted use time is written to the BBS 34 of the DVCR 3.

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5/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06730289 **Image available**
INFORMATION PROCESSOR AND ITS METHOD AND RECORDING MEDIUM

PUB. NO.: 2000-316133 [JP 2000316133 A]
PUBLISHED: November 14, 2000 (20001114)
INVENTOR(s): Horiguchi Mari
Kawamura Harumi
Yamamoto Kazuo
APPLICANT(s): SONY CORP
APPL. NO.: 11-251103 [JP 99251103]
FILED: September 06, 1999 (19990906)
PRIORITY: 10-259735 [JP 98259735], JP (Japan), September 14, 1998
(19980914)
10-296502 [JP 98296502], JP (Japan), October 19, 1998
(19981019)
11-053656 [JP 9953656], JP (Japan), March 02, 1999 (19990302)
INTL CLASS: H04N-005/765 ; H04N-005/7826

ABSTRACT

PROBLEM TO BE SOLVED: To improve operability at the time of recording reservation, and to suppress generation of double booking by allowing each AV equipment connected with a bus to obtain managed information.

*
SOLUTION: When a controller 11 allows a tuner sub-unit 12 to receive the broadcasting of a prescribed channel at a prescribed time, and a VCR sub-unit 33 of a DVCR 3 to record this through an IEEE 1394 serial data bus 2, reservation information is written in an RSB(Resource Schedule Board) 51 incorporated in a BBS(Bulletin Board Subunit) 14 of an IRD 1, and the reservation information of a VCR sub-unit 33 is written in an RSB 61 incorporated in a BBS 34 of a DVCR 3.

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5/5/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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06610827 **Image available**
DEVICE AND METHOD FOR INFORMATION PROCESSING AND RECORDING MEDIUM

PUB. NO.: 2000-196632 [JP 2000196632 A]
PUBLISHED: July 14, 2000 (20000714)
INVENTOR(s): Horiguchi Mari
Kawamura Harumi
Yamamoto Kazuo
APPLICANT(s): SONY CORP
APPL. NO.: 11-249636 [JP 99249636]
FILED: September 03, 1999 (19990903)
PRIORITY: 10-259734 [JP 98259734], JP (Japan), September 14, 1998
(19980914)
10-296502 [JP 98296502], JP (Japan), October 19, 1998
(19981019)
INTL CLASS: H04L-012/40

ABSTRACT

PROBLEM TO BE SOLVED: To quickly decide an Object ID identifying an Event in a bus.

SOLUTION: The controller of an IRD(integrated receiver decoder) generates a dummy ID for uniquely identifying an Event in a unit in a step S41. The

Event in the unit is read from an RSB(resource schedule board) and a record ID (Event ID) in it is extracted in a step S42. A dummy ID that is different from a registered record ID is searched in a related unit in steps S43 and S44. In a step 45, the dummy ID is defined as a record ID and combined with a GUID(global unique ID) of the unit to be defined as an Object ID.

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5/5/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
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05862684 **Image available**
DATA DECODING SYSTEM, DATA DECODING METHOD, TRANSMITTING METHOD,
TRANSMITTER, RECEIVER AND RECEIVING METHOD

PUB. NO.: 10-145784 [JP 10145784 A]
PUBLISHED: May 29, 1998 (19980529)
INVENTOR(s): HORIGUCHI MARI
KAWAMURA HARUMI
SATO MAKOTO
YANAGIHARA HISAFUMI
NAKANO KATSUHIKO
HAMADA ICHIRO
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 09-144940 [JP 97144940]
FILED: June 03, 1997 (19970603)
INTL CLASS: [6] H04N-007/24 ; G11B-020/10 ; G11B-020/10 ; H03M-007/00;
H04L-029/06
JAPIO CLASS: 44.6 (COMMUNICATION -- Television); 42.4 (ELECTRONICS --
Basic Circuits); 42.5 (ELECTRONICS -- Equipment); 44.3
(COMMUNICATION -- Telegraphy)
JAPIO KEYWORD: R011 (LIQUID CRYSTALS); R102 (APPLIED ELECTRONICS -- Video
Disk Recorders, VDR); R131 (INFORMATION PROCESSING --
Microcomputers & Microprocessors)

ABSTRACT

PROBLEM TO BE SOLVED: To allow a system parameter to be changed even for other than a DVD player.

SOLUTION: Encoded data outputted from a DVD player 1 are outputted to the decoders 4-1 to 4-3 of digital television receivers 3-1 to 3-3 via an AV bus 5, to be decoded. If an instruction for changing a system parameter is inputted to one of the decoders 4-1 to 4-3, a command corresponding to the change is supplied to the DVD player 1 via the AV bus 5. The DVD player 1 changes the system parameter corresponding to this command, and outputs the changed system parameter to each of the decoders 4-1 to 4-3 via the AV bus 5.

5/5/8 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01221371
INFORMATION PROCESSING DEVICE AND METHOD, AND INFORMATION PROCESSING
SYSTEM, AND RECORDED MEDIUM
VORRICHTUNG UND VERFAHREN ZUR INFORMATIONSVERARBEITUNG, INFORMATIONSVERARBE
ITUNGSSYSTEM UND AUFZEICHNUNGSMEDIUM
DISPOSITIF ET PROCEDE DE TRAITEMENT D'INFORMATIONS, SYSTEME DE TRAITEMENT
D'INFORMATIONS ET SUPPORT ENREGISTRE
PATENT ASSIGNEE:

Sony Corporation, (214028), 7-35, Kitashinagawa 6-chome, Shinagawa-ku,
Tokyo 141-0001, (JP), (Applicant designated States: all)

INVENTOR:

KAWAMURA, Harumi , Sony Corp., 7-35, Kitashinagawa 6-chome,
Shinagawa-ku, Tokyo 141-0001, (JP)

HORIGUCHI, Mari , Sony Corp., 7-35, Kitashinagawa 6-chome, Shinagawa-ku,
Tokyo 141-0001, (JP)

LEGAL REPRESENTATIVE:

Pilch, Adam John Michael et al (50481), D. YOUNG & CO., 21 New Fetter
Lane, London EC4A 1DA, (GB) *

PATENT (CC, No, Kind, Date): EP 1096732 A1 010502 (Basic)
WO 0062487 001019

APPLICATION (CC, No, Date): EP 915433 000407; WO 00JP2292 000407

PRIORITY (CC, No, Date): JP 99103149 990409

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: **H04L-012/40**

CITED PATENTS (WO A): EP 841776 A

ABSTRACT EP 1096732 A1

An information processing apparatus and method, an information processing system for sending and receiving the information via a bus between a first and a second electronic devices, the method including packeting a first time entry according to the time-of-day set at the first electronic device in a predetermined format, and transferring it via the bus to the second electronic device, setting the time-of-day of the second electronic device, based on the first time entry transferred from the first electronic device, thereby the first electronic device can specify the second electronic device, and reset the time entry according to the time-of-day which has been set at the second electronic device with the time entry according to the time-of-day which has been set at the first electronic device.

ABSTRACT WORD COUNT: 127

NOTE:

Figure number on first page: 0013

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001213 A1 International application. (Art. 158(1))

Application: 001213 A1 International application entering European phase

Application: 010502 A1 Published application with search report

Examination: 010502 A1 Date of request for examination: 20001130

Withdrawal: 040324 A1 Date of withdrawal of application: 20031216

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200118	3283
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SPEC A	(English)	200118	12052
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Total word count - document A	15335
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Total word count - document B	0
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Total word count - documents A + B	15335
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5/5/9 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01130207

Timer-controlled information processing method and apparatus

Zeitgesteuertes Informationsverarbeitungsverfahren und -vorrichtung

Procede et appareil pour la traitement commandee par temps des informations

PATENT ASSIGNEE:

SONY CORPORATION, (214024), 7-35, Kitashinagawa 6-chome Shinagawa-ku,
Tokyo, (JP), (Applicant designated States: all)

INVENTOR:

Kawamura, Harumi, c/o Sony Corporation , 7-35 Kitashinagawa, 6-chome,
Shinagawa-ku, Tokyo, (JP)

Horiguchi, Mari, c/o Sony Corporation , 7-35 Kitashinagawa, 6-chome,
Shinagawa-ku, Tokyo, (JP)

Yamamoto, Kazuo, c/o Sony Corporation, 7-35 Kitashinagawa, 6-chome,
Shinagawa-ku, Tokyo, (JP) *

*

Masahiko, Sato, c/o Sony Corporation, 7-35 Kitashinagawa, 6-chome,
Shinagawa-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
Harris, Ian Richard (72231), D. Young & Co., 21 New Fetter Lane, London
EC4A 1DA, (GB)
PATENT (CC, No, Kind, Date): EP 987891 A2 000322 (Basic)
APPLICATION (CC, No, Date): EP 99307255 990914;
PRIORITY (CC, No, Date): JP 98261519 980916; JP 99106411 990414
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-005/765

ABSTRACT EP 987891 A2

A controller of an IRD is operated based on the Universal Time Code UTC as a reference time. When reservation information using a VCR sub-unit of a DVCR is input, the controller reads the offset time of the DVCR relative to the UTC stored in a Bulletin Board Subunit (BBS) of the DVCR. By utilizing the offset time, the time at which the VCR sub-unit is used is converted into the local time used by the DVCR. The converted time is then written into the BBS of the DVCR. With this arrangement, a target can be precisely controlled even when the UTC is used as a reference time.

ABSTRACT WORD COUNT: 109

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 020925 A2 Date of withdrawal of application: 20020801
Application: 20000322 A2 Published application without search report
LANGUAGE (Publication,Procedural,Application): English; English; English

5/5/10 (Item 3 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01130194

Information processing apparatus, information processing method, and
recording medium
Informationsbearbeitungsanlage, Informationsbearbeitungsverfahren, und
Aufnahmemedium
Appareil de traitement d'information, procede de traitement d'information,
et moyen d'enregistrement

PATENT ASSIGNEE:

SONY CORPORATION, (214024), 7-35, Kitashinagawa 5-chome Shinagawa-ku,
Tokyo, (JP), (Applicant designated States: all)

INVENTOR:

Horiguchi, Mari , Sony Corp., 7-35 Kitashinagawa, 6-chome, Shinagawa-ku,
Tokyo, (JP)

Yamamoto, Kazuo, Sony Corp., 7-35 Kitashinagawa, 6-chome, Shinagawa-ku,
Tokyo, (JP)

Kawamura, Harumi , Sony Corp., 7-35 Kitashinagawa, 6-chome,
Shinagawa-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Harris, Ian Richard et al (72231), D. Young & Co., 21 New Fetter Lane,
London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 987890 A2 000322 (Basic)
EP 987890 A3 020417

APPLICATION (CC, No, Date): EP 99307209 990913;

PRIORITY (CC, No, Date): JP 98259734 980914; JP 98296502 981019

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-005/765

ABSTRACT EP 987890 A2

A controller (11) of an IRD generates a provisional ID for uniquely identifying an Event within the unit. Then, an Event within the unit is read from a Resource Schedule Board (RSB), and a record ID (Event ID) of the Event is extracted. A provisional ID, which is different from the registered record IDs within the related unit, is searched for. The searched provisional ID is set to be the record ID and is combined with a global unique ID (GUID) of the unit, thereby generating an Object ID. As a result, the Object ID for uniquely identifying the Event within a bus is speedily determined.

ABSTRACT WORD COUNT: 107

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report: 020417 A3 Separate publication of the search report

Application: 20000322 A2 Published application without search report

Withdrawal: 030730 A2 Date application deemed withdrawn: 20021018

LANGUAGE (Publication,Procedural,Application): English; English; English

5/5/11 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01130186

Information processing apparatus, information processing method, and recording medium

Informationsverarbeitungapparat, Informationsverarbeitungsverfahren und Speichernmedium

Appareil de traitement d'information, methode de traitement d'information et support d'enregistrement

PATENT ASSIGNEE:

SONY CORPORATION, (214022), 7-35, Kitashinagawa 6-chome Shinagawa-ku, Tokyo, (JP), (Applicant designated States: all)

INVENTOR:

Horiguchi, Mari, C/O Sony Corporation, 7-35 Kitashinagawa, 6-chome, Shinagawa-ku, Tokyo, (JP)

Yamamoto, Kazuo, C/O Sony Corporation, 7-35 Kitashinagawa, 6-chome, Shinagawa-ku, Tokyo, (JP)

Kawamura, Harumi, C/O Sony Corporation, 7-35 Kitashinagawa, 6-chome, Shinagawa-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Harris, Ian Richard (72231), D. Young & Co., 21 New Fetter Lane, London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 987892 A2 000322 (Basic)
EP 987892 A3 020417

APPLICATION (CC, No, Date): EP 99307185 990913;

PRIORITY (CC, No, Date): JP 98259735 980914; JP 98296502 981019; JP 9953656 990302

DESIGNATED STATES: DE; FR; GB; NL

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-005/782 ; H04L-012/28

ABSTRACT EP 987892 A2

An information processing apparatus is connected to another information processing apparatus via a network and has at least one sub-unit for executing a predetermined function. A reservation is made for causing a tuner sub-unit of an IRD to receive a predetermined channel broadcast at a predetermined time and to record it on a VCR sub-unit of a DVCR via an IEEE-1394 serial data bus. Then, a controller of the IRD writes reservation information into a Resource Schedule Board (RSB) built into a Bulletin Board Subunit (BBS) of the IRD and also writes reservation information of the VCR sub-unit into a RSB built into a BBS of the DVCR. With this arrangement, double-booking is prevented.

ABSTRACT WORD COUNT: 115

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report: 020417 A3 Separate publication of the search report
Application: 20000322 A2 Published application without search report
Examination: 040609 A2 Date of dispatch of the first examination
report: 20040421
Examination: 021120 A2 Date of request for examination: 20020918
LANGUAGE (Publication,Procedural,Application): English; English; English

5/5/12 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01116122

INFORMATION PROCESSING APPARATUS AND METHOD, AND PROVIDING MEDIUM
INFORMATIONSVERRARBEITUNGSVORRICHTUNG UND VERFAHREN SOWIE VERSORGUNGS-MEDIUM
DISPOSITIF DE TRAITEMENT DES DONNEES, METHODE AFFERENTE ET SUPPORT
CORRESPONDANT *

PATENT ASSIGNEE:

Sony Corporation, (214028), 7-35, Kitashinagawa 6-chome, Shinagawa-ku,
Tokyo 141-0001, (JP), (Applicant designated States: all)

INVENTOR:

KAWAMURA, Harumi , Sony Corporation 7-35, Kitashinagawa 6-chome,
Shinagawa-ku Tokyo 141-0001, (JP)

HORIGUCHI, Mari , Sony Corporation 7-35, Kitashinagawa 6-chome,
Shingawa-ku Tokyo 141-0001, (JP)

LEGAL REPRESENTATIVE:

Harris, Ian Richard et al (72231), D. Young & Co., 21 New Fetter Lane,
London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 1014711 A1 000628 (Basic)
WO 9963752 991209

APPLICATION (CC, No, Date): EP 99922566 990528; WO 99JP2853 990528

PRIORITY (CC, No, Date): JP 98149539 980529

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-005/44 ; H04N-007/08

ABSTRACT EP 1014711 A1

When a tuner (2) receives EPG service information and EPG program
information transmitted together with broadcasting data, a making unit
(12) in the tuner (2) makes an EPG service list about receivable channels
from the EPG service information by using a descriptor conforming to a
general-purpose format, such as the AV/C protocol. A changing unit (13)
in the tuner (2) converts the EPG program information into an EPG event
list by using a descriptor conforming to a general-purpose format, such
as the AV/C protocol. Therefore, the EPG service list and EPG event list
can be read from any device under the control according to the protocols
of the general-purpose formats used, and the EPG data can be easily
handled by any other device other than the tuner.

ABSTRACT WORD COUNT: 128

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000628 A1 Published application with search report
Application: 20000202 A1 International application. (Art. 158(1))
Withdrawal: 040204 A1 Date of withdrawal of application: 20031211
Examination: 000628 A1 Date of request for examination: 20000217
Search Report: 030205 A1 Date of drawing up and dispatch of
supplementary:search report 20021219
Change: 030205 A1 International Patent Classification changed:
20021213
Change: 030205 A1 International Patent Classification changed:
20021213
Application: 20000202 A1 International application entering European
phase

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200026	723

SPEC A (English) 200026 5353
Total word count - document A 6076
Total word count - document B 0
Total word count - documents A + B 6076

5/5/13 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT.
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00749042 **Image available**

**INFORMATION PROCESSING DEVICE AND METHOD, AND INFORMATION PROCESSING
SYSTEM, AND RECORDED MEDIUM**
**DISPOSITIF ET PROCEDURE DE TRAITEMENT D'INFORMATIONS, SYSTEME DE TRAITEMENT
D'INFORMATIONS ET SUPPORT ENREGISTRE**

Patent Applicant/Assignee: *

SONY CORPORATION, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo
141-0001, JP, JP (Residence), JP (Nationality), (For all designated
states except: US)

Patent Applicant/Inventor:

KAWAMURA Harumi, Sony Corporation, 7-35, Kitashinagawa 6-chome,
Shinagawa-ku, Tokyo 141-0001, JP, JP (Residence), JP (Nationality),
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Shinagawa-ku, Tokyo 141-0001, JP, JP (Residence), JP (Nationality),
(Designated only for: US)

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200062487 A1 20001019 (WO 0062487)
Application: WO 2000JP2292 20000407 (PCT/WO JP0002292)
Priority Application: JP 99103149 19990409

Designated States: JP US

(EP) DE FR GB

Main International Patent Class: * H04L-012/40

Publication Language: Japanese

Filing Language: Japanese

English Abstract

An information processing device for transmission/reception of information between first and second electronic devices interconnected through a bus. First time information according to the time preset in the first electronic device is transformed into a packet in a predetermined format, and the packet is transferred to the second electronic device through the bus. The time of the second electronic information is set according to the first time information transferred. Thus, the first electronic device can reset the time information according to the time preset in the second electronic device to the time information according to the time preset in the first electronic device by specifying the second electronic device.

French Abstract

L'invention concerne un dispositif de traitement d'informations pour l'émission/reception d'informations entre des premier et deuxième dispositifs électroniques interconnectés par un bus. Des premières informations temporelles dépendant de l'heure prédéterminée dans le premier dispositif électronique sont transformées en un paquet dans un format prédéterminé, et le paquet est transféré au deuxième dispositif électronique, par le bus. L'heure des deuxièmes informations électroniques est fixée en fonction des premières informations temporelles transférées. Ainsi, le premier dispositif électronique peut remettre à zéro les informations temporelles en fonction de l'heure prédéterminée dans le deuxième dispositif électronique par rapport aux informations temporelles selon l'heure prédéterminée dans le premier dispositif électronique en spécifiant le deuxième dispositif électronique.

Legal Status (Type, Date, Text)
Publication 20001019 A1 With international search report.

5/5/14 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00532400 **Image available**
INFORMATION PROCESSING APPARATUS AND METHOD, AND PROVIDING MEDIUM
DISPOSITIF DE TRAITEMENT DES DONNEES, METHODE AFFERENTE ET SUPPORT
CORRESPONDANT

Patent Applicant/Assignee:

SONY CORPORATION,
KAWAMURA Harumi,
HORIGUCHI Mari,

Inventor(s):

KAWAMURA Harumi ,
HORIGUCHI Mari

Patent and Priority Information (Country, Number, Date):

Patent: WO 9963752 A1 19991209
Application: WO 99JP2853 19990528 (PCT/WO JP9902853)
Priority Application: JP 98149539 19980529

Designated States: CN JP KR MX US AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

Main International Patent Class: H04N-005/44

International Patent Class: H04N-007/08

Publication Language: Japanese

English Abstract

When a tuner (2) receives EPG service information and EPG program information transmitted together with broadcasting data, a making unit (12) in the tuner (2) makes an EPG service list about receivable channels from the EPG service information by using a descriptor conforming to a general-purpose format, such as the AV/C protocol. A changing unit (13) in the tuner (2) converts the EPG program information into an EPG event list by using a descriptor conforming to a general-purpose format, such as the AV/C protocol. Therefore, the EPG service list and EPG event list can be read from any device under the control according to the protocols of the general-purpose formats used, and the EPG data can be easily handled by any other device other than the tuner.

French Abstract

Lorsqu'un syntoniseur (2) recoit une information de service de guide electrique de programme (EPG) et une information de programme EPG, transmises avec des donnees de diffusion, une unite de creation (12) se trouvant dans le syntoniseur (2) etablit, a l'aide de l'information de programme EPG, une liste de service EPG relative aux canaux pouvant etre recus et ce, en utilisant un descripteur se conformant a un format a usage general, le protocole AV/C, par exemple. Une unite de transformation (13) se trouvant dans le syntoniseur (2) convertit l'information de programme EPG en liste d'evenements EPG a l'aide d'un descripteur se conformant a un format a usage general, le protocole AV/C, par exemple. Il est, de la sorte, possible de lire la liste de service EPG et la liste d'evenements EPG dans n'importe quel dispositif en conformite avec les formats a usage general utilises, de meme que n'importe quel dispositif autre que le syntoniseur susmentionne est a meme de traiter les donnees EPG.

5/5/15 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00532093 **Image available**
INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING SYSTEM,
INFORMATION PROCESSING METHOD, AND PROVIDING MEDIUM

DISPOSITIF, SYSTEME, METHODE DE TRAITEMENT DES DONNEES ET SUPPORT

Patent Applicant/Assignee:

SONY CORPORATION,

KAWAMURA Harumi,

HORIGUCHI Mari,

Inventor(s):

KAWAMURA Harumi ,

HORIGUCHI Mari

Patent and Priority Information (Country, Number, Date):

Patent: WO 9963445 A1 19991209

Application: WO 99JP2852 19990528 (PCT/WO JP9902852)

Priority Application: JP 98149537 19980529

Designated States: JP KR US

Main International Patent Class: G06F-013/14

Publication Language: Japanese *

English Abstract

In order to readily set user information such as a nickname or a memo in an electronic device, by using part of a descriptor by means of which data is read from another device connected to the electronic device through a bus by inputting a command conforming to a predetermined protocol, text data or graphic data concerning a device and inputted according to a predetermined operation or a predetermined instruction is written. When display about the device is to be made, a nickname or a memo is displayed by the use of the text data or graphic data written in the descriptor.

French Abstract

Afin d'etablir rapidement et facilement une information d'utilisateur, un alias ou un memo par exemple, dans un dispositif electronique, en utilisant une partie d'un descripteur a meme de lire des donnees dans un autre dispositif electronique connecte au premier par le biais d'un bus et ce, en entrant une commande relevant d'un protocole determine, on ecrit des donnees textuelles ou graphiques relatives a un dispositif, ces donnees etant entrees conformement a une operation ou a une instruction predeterminees. Au moment de visualiser, on affiche l'alias ou le memo en utilisant les donnees textuelles ou graphiques ecrites dans le descripteur.

5/5/16 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014194617 **Image available**

WPI Acc No: 2002-015314/200202

XPX Acc No: N02-012600

Information processor for audio-video apparatus, stores information sharable between other information processors connected through network

Patent Assignee: SONY CORP (SONY); HORIGUCHI M (HORI-I); KAWAMURA H (KAWA-I)

Inventor: HORIGUCHI M ; KAWAMURA H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001285311	A	20011012	JP 200097940	A	20000330	200202 B
US 20020010752	A1	20020124	US 2001819399	A	20010328	200210

Priority Applications (No Type Date): JP 200097940 A 20000330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 2001285311	A		21	H04L-012/28	
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US 20020010752	A1			G06F-015/167	
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Abstract (Basic): JP 2001285311 A

NOVELTY - A storage unit stores information sharable between other information processors connected through a network. New information

description area with discriminative information write-in area, is created for other information processors depending on demand from the other information processors.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Information processing method;
- (b) Information processing system;
- (c) Recording medium storing information processing program

USE - For audio-video apparatus e.g. digital video cassette recorder.

ADVANTAGE - Since the storage unit stores information sharable between other information processors, memory is effectively used.

DESCRIPTION OF DRAWING(S) - The figure shows the board type structural model of information processor.

pp; 21 DwgNo 5/25

Title Terms: INFORMATION; PROCESSOR; AUDIO; VIDEO; APPARATUS; STORAGE;

INFORMATION; INFORMATION; PROCESSOR; CONNECT; THROUGH; NETWORK

Derwent Class: T01; T03; W01; W03; W04

International Patent Class (Main): G06F-015/167 ; H04L-012/28

International Patent Class (Additional): G06F-013/38 ; G11B-020/10 ;

G11B-020/12 ; H04N-005/44 ; H04N-005/765

File Segment: EPI

5/5/17 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX.

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014021767 **Image available**

WPI Acc No: 2001-505981/200156

XRPX Acc No: N01-375427

Data communication procedure involves transmitting predetermined command from other apparatuses to memory

Patent Assignee: SONY CORP (SONY*); HORIGUCHI M (HORI-I); KAWAMURA H (KAWA-I)

Inventor: HORIGUCHI M ; KAWAMURA H

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001168863	A	20010622	JP 99347989	A	19991207	200156 B
US 20010054069	A1	20011220	US 2000730524	A	20001205	200206
US 6745276	B2	20040601	US 2000730524	A	20001205	200436

Priority Applications (No Type Date): JP 99347989 A 19991207

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 2001168863	A		13	H04L-012/28	
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US 20010054069	A1			G06F-015/16	
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US 6745276	B2			G06F-013/00	
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Abstract (Basic): JP 2001168863 A

NOVELTY - The memory area for write and read out of data is provided to specific apparatus linked to network. Exchange of data is performed by transmission of predetermined command from other apparatuses (10,20,30) of network to memory.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for data communication device.

USE - Data communication procedure.

ADVANTAGE - Exchange of information is performed freely between apparatuses connected to network.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of network assembly. (Drawing includes non-English language text).

Apparatuses connected to network (10,20,30)

pp; 13 DwgNo 1/10

Title Terms: DATA; COMMUNICATE; PROCEDURE; TRANSMIT; PREDETERMINED; COMMAND

; MEMORY

Derwent Class: W01

International Patent Class (Main): G06F-013/00 ; G06F-015/16 ;
H04L-012/28
File Segment: EPI

5/5/18 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013439925 **Image available**
WPI Acc No: 2000-611868/200058
XRPX Acc No: N01-005480

Information processing device and recorded medium

Patent Assignee: SONY CORP (SONY*)
Inventor: HORIGUCHI M ; KAWAMURA H
Number of Countries: 006 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200062487	A1	20001019	WO 2000JP2292	A	20000407	200058 B
EP 1096732	A1	20010502	EP 2000915433	A	20000407	200125
			WO 2000JP2292	A	20000407	
JP 2000611444	X	20020723	JP 2000611444	A	20000407	200263
			WO 2000JP2292	A	20000407	
TW 513879	A	20021211	TW 2000106238	A	20000405	200353

Priority Applications (No Type Date): JP 99103149 A 19990409

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200062487	A1	J	63 H04L-012/40	
			Designated States (National): JP US	
			Designated States (Regional): DE FR GB	
EP 1096732	A1	E	H04L-012/40	Based on patent WO 200062487
			Designated States (Regional): DE FR GB	
JP 2000611444	X		H04L-012/40	Based on patent WO 200062487
TW 513879	A		H04L-012/40	

Abstract (Basic): WO 200062487 A1

NOVELTY - An information processing device for transmission/reception of information between first and second electronic devices interconnected through a bus. First time information according to the time preset in the first electronic device is transformed into a packet in a predetermined format, and the packet is transferred to the second electronic device through the bus. The time of the second electronic information is set according to the first time information transferred. Thus, the first electronic device can reset the time information according to the time preset in the second electronic device to the time information according to the time preset in the first electronic device by specifying the second electronic device.

USE - Information processing device and recorded medium.

DESCRIPTION OF DRAWING(S) - describe specific inquiry (SP1)
specified AV device (SP2)
specified AV device can recognize (SP3)
specified AV device can recognize (SP6)
end. (SP5)

pp; 63 DwgNo 13/18

Title Terms: INFORMATION; PROCESS; DEVICE; RECORD; MEDIUM
Derwent Class: T01; W01
International Patent Class (Main): H04L-012/40
File Segment: EPI

5/5/19 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013086858 **Image available**

WPI Acc No: 2000-258730/200023
Related WPI Acc No: 2000-248124
XRPX Acc No: N00-192461

Recording control of a networked video recording device, comprises control of an Integrated Receiver Decoder, (IRD), to provide reservation material into a Resource Schedule Board, (RSB)

Patent Assignee: SONY CORP (SONY)
Inventor: HORIGUCHI M ; KAWAMURA H ; YAMAMOTO K
Number of Countries: 028 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 987892	A2	20000322	EP 99307185	A	19990913	200023 B
JP 2000316133	A	20001114	JP 99251103	A	19990906	200062
KR 2000023129	A	20000425	KR 9939228	A	19990914	200107
MX 9908383	A1	20001001	MX 998383	A	19990913	200158

Priority Applications (No Type Date): JP 9953656 A 19990302; JP 98259735 A 19980914; JP 98296502 A 19981019

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 987892	A2	E	39	H04N-005/782	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2000316133	A		19	H04N-005/765	
KR 2000023129	A			G11B-015/02	
MX 9908383	A1			H04L-012/40	

Abstract (Basic): EP 987892 A2

NOVELTY - A controller (11) controls the entire IRD, by receiving selection information from the user, and the DVCR by using AV/C command sets. A tuner sub unit (12) extracts channel information under the control of the controller. The controller further searches for information stored on the Bulletin Board Sub unit (BBS).

DETAILED DESCRIPTION - The network system comprises IRD (1) connected via a serial bus (2) to a Digital Video Cassette Recorder, (DVCR), (3). In addition, devices comprising an IEEE-1394 terminal can also be connected. The BBS comprises an RSB that stores information regarding recording reservations input from the controller of the IRD. An INDEPENDENT CLAIM is included for a control program.

USE - Control of a networked DVCR recording from various networked information sources.

ADVANTAGE - The controller ensures that the DVCR will not be double booked by two or more information sources.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic of the network

IRD (1)
Serial bus (2)
DVCR (3)
Controller (11)
Tuner sub unit (12)
pp; 39 DwgNo 2/34

Title Terms: RECORD; CONTROL; VIDEO; RECORD; DEVICE; COMPRISE; CONTROL; INTEGRATE; RECEIVE; DECODE; RESERVE; MATERIAL; RESOURCE; SCHEDULE; BOARD
Derwent Class: T01; W01; W03; W04

International Patent Class (Main): G11B-015/02 ; H04L-012/40 ; H04N-005/765 ; H04N-005/782

International Patent Class (Additional): H04L-012/28 ; H04N-005/7826
File Segment: EPI

5/5/20 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013076253 **Image available**

WPI Acc No: 2000-248125/200022
XRPX Acc No: N00-185755

Information processing apparatus e.g. for DVCR, acquires time represented by second reference time at which target is to be used

Patent Assignee: SONY CORP (SONY)

Inventor: **HORIGUCHI M ; KAWAMURA H ;** MASAHICO S; YAMAMOTO K; SATO M

Number of Countries: 028 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 987891	A2	20000322	EP 99307255	A	19990914	200022 B
JP 2000358048	A	20001226	JP 99251104	A	19990906	200105
KR 2000023211	A	20000425	KR 9939814	A	19990916	200107
MX 9908385	A1	20020101	MX 998385	A	19990913	200362

Priority Applications (No Type Date): JP 99106411 A 19990414; JP 98261519 A 19980916

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 987891 A2 E 59 H04N-005/765

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2000358048 A 33 H04L-012/40

KR 2000023211 A G11B-027/00

MX 9908385 A1 G06F-013/00

Abstract (Basic): EP 987891 A2

NOVELTY - The apparatus acquires a time represented by the second reference time at which the target is to be used. Information concerning the first reference time is acquired from the target. A converter converts the time represented by the second reference time acquired by the first acquisition device into a time represented by the first reference time at which the target is to be used the information concerns the first reference time acquired by the second acquisition device.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an information processing method, and information processing program.

USE - For DVCR. For controller operated based on Universal Time Code as reference time.

ADVANTAGE - Maintains ease of operation even when AV machines are operated based on Universal Time Code. Reliably performs reservation processing for sub units connection to information processing apparatus via bus.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram illustrating the configuration of a network system incorporating an embodiment of the invention.

pp; 59 DwgNo 2/41

Title Terms: INFORMATION; PROCESS; APPARATUS; ACQUIRE; TIME; REPRESENT;

SECOND; REFERENCE; TIME; TARGET

Derwent Class: W03; W04

International Patent Class (Main): G06F-013/00 ; G11B-027/00 ;

H04L-012/40 ; H04N-005/765

File Segment: EPI

5/5/21 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013076252 **Image available**

WPI Acc No: 2000-248124/200022

Related WPI Acc No: 2000-258730

XRPX Acc No: N00-185754

Information processing apparatus e.g. for DVCR, generates provisional ID for uniquely identifying Event within unit which is read from Resource

Schedule Board and record ID of Event is extracted

Patent Assignee: SONY CORP (SONY)

Inventor: **HORIGUCHI M ; KAWAMURA H ;** YAMAMOTO K

Number of Countries: 029 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 987890	A2	20000322	EP 99307209	A	19990913	200022 B
JP 2000196632	A	20000714	JP 99249636	A	19990903	200039
KR 2000023127	A	20000425	KR 9939225	A	19990914	200107
MX 9908383	A1	20001001	MX 998383	A	19990913	200158
MX 9908384	A1	20001001	MX 998384	A	19990913	200158
US 6513064	B1	20030128	US 99395063	A	19990913	200311

Priority Applications (No Type Date): JP 98296502 A 19981019; JP 98259734 A 19980914; JP 98259735 A 19980914; JP 9953656 A 19990302

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 987890	A2	E	47	H04N-005/765	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT					
LI LT LU LV MC MK NL PT RO SE SI					
JP 2000196632	A		23	H04L-012/40	
KR 2000023127	A			G11B-015/02	
MX 9908383	A1			H04L-012/40	
MX 9908384	A1			G06F-013/00	
US 6513064	B1			G06F-011/30	

Abstract (Basic): EP 987890 A2

NOVELTY - A controller of an IRD generates a provisional ID for uniquely identifying an Event within the unit. An Event within the unit is read from a Resource Schedule Board (RSB), and a record ID (Event ID) of the Event is extracted. A provisional ID, which is different from the registered record IDs within the related unit, is searched for. The searched provisional ID is set to be the record ID and is combined with a global unique ID (GUID) of the unit, thereby generating an Object ID. As a result, the Object ID for uniquely identifying the Event within a bus is speedily determined.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an information processing method, and an information processing program.

USE - For DVCR.

ADVANTAGE - Improves reserve recording operation and inhibits occurrence of double booking by mutually searching information managed by individual AV machines connected to bus.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram illustrating the configuration of a network system incorporating an embodiment of the invention.

pp; 47 DwgNo 2/38

Title Terms: INFORMATION; PROCESS; APPARATUS; GENERATE; PROVISIONAL; ID; UNIQUE; IDENTIFY; EVENT; UNIT; READ; RESOURCE; SCHEDULE; BOARD; RECORD; ID; EVENT; EXTRACT

Derwent Class: T01; W01; W03; W04

International Patent Class (Main): G06F-011/30 ; G06F-013/00 ; G11B-015/02 ; H04L-012/40 ; H04N-005/765

File Segment: EPI

5/5/22 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013033437 **Image available**

WPI Acc No: 2000-205288/200018

XRPX Acc No: N00-152781

Information processing apparatus for audio video applications.

Patent Assignee: SONY CORP (SONY)

Inventor: HORIGUCHI M ; KAWAMURA H

Number of Countries: 023 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9963752	A1	19991209	WO 99JP2853	A	19990528	200018 B
EP 1014711	A1	20000628	EP 99922566	A	19990528	200035
			WO 99JP2853	A	19990528	
CN 1272281	A	20001101	CN 99800863	A	19990528	200112

KR 2001022306	A	20010315	KR 2000700885	A	20000127	200159
MX 2000000990	A1	20001101	MX 2000990	A	20000128	200163
JP 2000552845	X	20021119	WO 99JP2853	A	19990528	200281
			JP 2000552845	A	19990528	

Priority Applications (No Type Date): JP 98149539 A 19980529

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9963752 A1 J 43 H04N-005/44

Designated States (National): CN JP KR MX US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

EP 1014711 A1 E H04N-005/44 Based on patent WO 9963752

Designated States (Regional): DE FR GB

CN 1272281 A H04N-005/44

KR 2001022306 A H04N-005/44

MX 2000000990 A1 H04N-005/44

JP 2000552845 X H04N-005/44 Based on patent WO 9963752

Abstract (Basic): WO 9963752 A1

NOVELTY - The apparatus includes a tuner (2) that receives EPG service information and program information transmitted together with broadcasting information. A generator unit (12) in the tuner creates an EPG service list about receivable channels from the EPG service information by using a descriptor conforming to a general purpose format. A changing unit (13) converts the program information into an EPG event list, by using a descriptor conforming to the general purpose format.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for an information processing method and a providing medium.

USE - For data processing

ADVANTAGE - The EPG service list and event list can be read from any device under the control according to the protocols of the general purpose format used, and the data can be easily handled by any other device, other than the tuner.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the information processing apparatus.

Tuner (2)

Video cassette recorder (4)

Information bus (5)

Generator unit (12)

Changing unit (13)

pp; 43 DwgNo 1/16

Title Terms: INFORMATION; PROCESS; APPARATUS; AUDIO; VIDEO; APPLY

Derwent Class: W03

International Patent Class (Main): H04N-005/44

International Patent Class (Additional): H04N-007/08 ; H04N-007/081

File Segment: EPI

5/5/23 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012925530 **Image available**

WPI Acc No: 2000-097366/200008

XRPX Acc No: N00-075228

Information processing apparatus readily set user information such as
nickname or memo in electronic device, by using part of descriptor

Patent Assignee: SONY CORP (SONY)

Inventor: HORIGUCHI M ; KAWAMURA H

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9963445	A1	19991209	WO 99JP2852	A	19990528	200008 B
KR 2001022396	A	20010315	KR 2000700975	A	20000128	200159
JP 2000552591	X	20021119	WO 99JP2852	A	19990528	200281

US 6571139 B1 20030527 WO 99JP2852 A 19990528 200337
 JP 2000552591 A 19990528
 US 2000463798 A 20000403

Priority Applications (No Type Date): JP 98149537 A 19980529

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9963445 A1 J 42 G06F-013/14

Designated States (National): JP KR US

KR 2001022396 A H04N-005/44

JP 2000552591 X G06F-013/14 Based on patent WO 9963445

US 6571139 B1 G05B-015/00 Based on patent WO 9963445

Abstract (Basic): WO 9963445 A1

NOVELTY - A part of a descriptor is used data of which is read from another device connected to the electronic device through a bus (8) by inputting a command conforming to a set protocol. A text data or graphic data may be concern a device and inputted according to a set operation or a given instruction is written. When display about the device is to be made, a nickname or a memo is displayed by the use of the text data or graphic data written in the descriptor.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

- (a) an information processing system
- (b) an information processing method
- (c) an information processing medium

USE - In multimedia system that operates with variety of video devices such as VTR, DVD etc.

ADVANTAGE - Allows readily set user information such as a nickname or a memo in an electronic device, using part of a descriptor data that may be read from another device connected to the electronic device through a bus

DESCRIPTION OF DRAWING(S) - The drawing shows a diagram of bus connection according to the present invention.

video tape recorder (2,5)

display (1)

DVD (4)

bus (8)

pp; 42 DwgNo 1/16

Title Terms: INFORMATION; PROCESS; APPARATUS; READY; SET; USER; INFORMATION.
 ; MEMO; ELECTRONIC; DEVICE; PART; DESCRIBE

Derwent Class: T01; W01

International Patent Class (Main): G05B-015/00; G06F-013/14 ; H04N-005/44

File Segment: EPI

5/5/24 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011952584 **Image available**

WPI Acc No: 1998-369494/199832

XRFX Acc No: N98-289471

Data decoding system for DVD player - updates system parameter by input of command through AV bus corresponding to DVD player

Patent Assignee: SONY CORP (SONY); HAMADA I (HAMA-I); HORIGUCHI M (HORI-I); KAWAMURA H (KAWA-I); NAKANO T (NAKA-I); SATO M (SATO-I); YANAGIHARA N (YANA-I)

Inventor: HAMADA I; HORIGUCHI M ; KAWAMURA H ; NAKANO T; SATO M;
 YANAGIHARA N

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10145784	A	19980529	JP 97144940	A	19970603	199832 B
KR 98024506	A	19980706	KR 9746576	A	19970910	199927
US 20010012447	A1	20010809	US 97926416	A	19970909	200147
US 6370322	B2	20020409	US 97926416	A	19970909	200227

Priority Applications (No Type Date): JP 96238761 A 19960910 *

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10145784	A		14	H04N-007/24	
KR 98024506	A			H04L-007/00	
US 20010012447	A1			H04N-005/781	
US 6370322	B2			H04N-005/91	
CN 1182934	A			G11B-007/00	

Abstract (Basic): JP 10145784 A

The system includes digital television receivers (3-1-3- 3) that receive encoded data through an AV bus (5) from a DVD player (1). Decoders (4-1-4-3) of respective receivers decode the received encoded data.

A command for changing system parameter is input through the AV bus. The command that corresponds to the DVD player changes the system parameter and the changed system parameter is input to decoders. Thereby, the system parameter is updated.

ADVANTAGE - Facilitates changing of system parameter in suitable manner.

Dwg.1/19 *

Title Terms: DATA; DECODE; SYSTEM; PLAY; UPDATE; SYSTEM; PARAMETER; INPUT; COMMAND; THROUGH; AV; BUS; CORRESPOND; PLAY

Derwent Class: U21; W01; W03; W04

International Patent Class (Main): G11B-007/00 ; H04L-007/00 ; H04N-005/781 ; H04N-005/91 ; H04N-007/24

International Patent Class (Additional): G11B-020/10 ; H03M-007/00;

H04L-029/06

File Segment: EPI

*

*

Set	Items	Description
S1	10026	AU=(HORIGUCHI, M? OR HORIGUCHI M? OR KAWAMURA, H? OR KAWAM- URA H?)
S2	0	S1 AND (BBS OR BULLETIN() BOARD() SUBUNIT?)
S3	0	S1 AND SHARED() STORAGE
File	2:INSPEC	1969-2004/Jun W1 (c) 2004 Institution of Electrical Engineers
File	6:NTIS	1964-2004/Jun W2 (c) 2004 NTIS, Intl Cpyrght All Rights Res
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File	94:JICST-EPlus	1985-2004/May W4 (c) 2004 Japan Science and Tech Corp(JST)
File	95:TEME-Technology & Management	1989-2004/May W4 (c) 2004 FIZ TECHNIK
File	99:Wilson Appl. Sci & Tech Abs	1983-2004/May (c) 2004 The HW Wilson Co.
File	103:Energy SciTec	1974-2004/Jun B1 (c) 2004 Contains copyrighted material
File	144:Pascal	1973-2004/Jun W1 (c) 2004 INIST/CNRS
File	202:Info. Sci. & Tech. Abs.	1966-2004/May 14 (c) 2004 EBSCO Publishing
File	233:Internet & Personal Comp. Abs.	1981-2003/Sep (c) 2003 EBSCO Pub.
File	239:Mathsci	1940-2004/Aug (c) 2004 American Mathematical Society
File	275:Gale Group Computer DB(TM)	1983-2004/Jun 16 (c) 2004 The Gale Group
File	434:SciSearch(R)	Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info
File	647:CMP Computer Fulltext	1988-2004/Jun W1 (c) 2004 CMP Media, LLC
File	674:Computer News Fulltext	1989-2004/Jun W2 (c) 2004 IDG Communications
File	696:DIALOG Telecom. Newsletters	1995-2004/Jun 15 (c) 2004 The Dialog Corp.

This document is the specification for the AV/C Bulletin Board Subunit. The purpose and scope of this feature are summarized below.

Purpose: The purpose of AV/C Bulletin Board Subunit is to provide information that can be shared with other devices on a 1394 network. The information must be related to the unit where the subunit resides.

Scope: This document defines the Bulletin Board Subunit model, specific data structures and command sets. The AV/C Bulletin Board Subunit uses the descriptor mechanism defined in the AV/C Digital Interface Command Set General Specification version 3.0 and the Enhancements to AV/C General Specification 3.0, version 1.0.

There are separate documents that define board-type specific data structures.



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1394 Technology:

1394 Technology

The IEEE 1394 multimedia connection enables simple, low-cost, high-bandwidth isochronous (real-time) data interfacing between computers, peripherals, and consumer electronics products such as camcorders, VCRs, printers, PCs, TVs, and digital cameras. With IEEE 1394-compatible products and systems, users can transfer video or still images from a camera or camcorder to a printer, PC, or television, with no image degradation..

History of the IEEE 1394 Standard

The 1394 digital link standard was conceived in 1986 by technologists at Apple Computer, who chose the trademark 'FireWire', in reference to its speeds of operation. The first specification for this link was completed in 1987. It was adopted in 1995 as the IEEE 1394 standard. A number of IEEE 1394 products are now available including digital camcorders with the IEEE 1394 link, IEEE 1394 digital video editing equipment, digital VCRs, digital cameras, digital audio players, 1394 IC's and a wealth of other infrastructure products such as connectors, cables, test equipment, software toolkits, and emulation models.

Future of 1394

The strong multimedia orientation, self-configurability, peer-to-peer connectivity and high performance of 1394 have encouraged new, innovative product concepts soon to be released or in development now. With the advent this year of native IEEE 1394 support in Microsoft Windows operating systems, a number of new applications for 1394 will come forth that link the worlds of consumer and computer electronics.

Benefits of 1394

Applications that benefit from IEEE 1394 include nonlinear (digital) video presentation and editing, desktop and commercial publishing, document imaging, home multimedia, and personal computing. The low overhead, high data rates of 1394, the ability to mix real-time and asynchronous data on a single connection, and the ability to mix low speed and high speed devices on the same network provides a truly universal connection for almost any consumer, computer, or peripheral application.

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1394 Trade Association Adds Independent, Third Party Test Option for Companies to Meet IEEE 1394 Compliance Regulations

DALLAS, June 1, 2004 – The 1394 Trade Association has extended its compliance testing program to include independent third party organizations that can help companies with 1394-equipped products review their compliance with the IEEE 1394 multimedia standard.

Creating a global system of certified third party 1394 test facilities, the Trade Association adds another option designed to simplify compliance testing. Companies with 1394-equipped products can now attend 'plugfest' events which are scheduled regularly worldwide, or they may subscribe to the new self testing program that the TA established in February (see <http://www.1394ta.org/Press/2004Press/february/2.09.a.htm>).

Or, they can deliver products to one of the certified independent test organizations that follow the pre-set Trade Association guidelines.

"By setting up this global system we resolve several issues," said Dave Thompson of Agere Systems, a member of the Trade Association Board of Directors and the group's first Compliance and Interoperability chairman. "Companies can get their 1394 product certified at any time and at convenient locations. Also, a third party manufacturer can ensure a high level of privacy. This program brings very good value to the 1394 Trade Association's Compliance and Interoperability program."

After third party test houses complete the 1394 TA's compliance training, they receive certification to perform testing, which can't be executed by the company's certified test team. Results of passing tests are provided to the Compliance and Interoperability Administrator under complete confidentiality and strict non-disclosure. The products that meet the compliance and interoperability requirements are certified as 1394 compliant, and receive the official 1394 Trade Association FireWire and/or i.LINK compliance logos.

Included among the comprehensive tests are a Base 1394 Test Suite, which consists of electrical and IEEE1394/1212 protocol tests, and a Functional Test suite specific for that product. For example, the Functional Test Suite for a DV Camcorder focuses on high-level transport and protocols, such as connection management, Audio, Video, Tape Recorder subunit and AV/C General Command tests as they pertain to that product type. There is also a Network Test Suite, which examines how a device under test (DUT) affects a network of 1394-enabled devices while in use, and how the DUT reacts in a fully-functioning 1394 network.

For more information about the 1394 Trade Association, please visit www.1394ta.org

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In Entertainment Networks, 1394 Is The Right Choice

James Snider
ED Online ID #7601
March 29, 2004

Today's electronics industry is populated with excellent standards for just about any design task. The engine community has done a terrific job of creating these standards, and engineers should use the best of the bunch products.

The IEEE 1394 standard, known commercially as FireWire and i.LINK, is typical. Nothing moves video and a one system to another faster and more reliably. FireWire is reliable and easy for the consumer to use, which as we move into the exciting new era of the home-entertainment network, with high-definition television and connectivity.

But just as typically, some engineers insist on using the wrong standard in some products. By trying to cut cost, they deprive end users of optimal performance and consign products to "best effort" rather than "best available" to them. Their products risk being overshadowed by competitors who use the optimal standard.

Consider USB. It has emerged as a great interface between PCs and low-end peripherals. After some early challenges, it's ubiquitous in PC peripherals. Some designers, though, use it in camcorders and for high-end drives. These design decisions carry performance costs and automatically lower video transmission quality—not optimal digital video.

The specifications tell the story. FireWire is faster. A series of independent studies last year found that FireWire transmits information at 30 to 54 Mbytes/s compared with USB's 16 to 21 Mbytes/s. Even 1394a, with a throughput to 26 Mbytes/s, is faster. This is because USB is PC-centric, so it carries administrative overhead that FireWire does not.

Comparing 1394 against USB's power-carrying capacity shows another marked difference. USB 2.0 provides 500 mA, which is insufficient for advanced hard-disk storage and external DVDs. FireWire delivers a full 30 V and the business traveler, that means 1394 can power HDDs and DVDs with no need for bulky add-on power supplies. In the home network, the additional power is more convenient.

So, the optimal design choice is to include both interfaces in the PC network. USB and FireWire coexist well which use both to good advantage. But in camcorders, digital cameras, and wherever top quality video is needed, 1394 is the only choice.

This is true for products like TVs, DVD receivers, and set-top boxes, which are at the core of the emerging home entertainment network. FireWire is pre-eminent, but Ethernet seems to have a dedicated constituency that threatens to enhance it to be "good enough." This doesn't make sense, as 1394 is designed specifically to move multiple

definition video streams in real time and to support peer-to-peer networking. Ethernet is not. Multiple devices Ethernet network cause collisions that reduce the usable bandwidth at regular intervals, all the way down to 15%. FireWire will never fall below 60% usable bandwidth.

Ethernet fans will have to overhaul it completely, adding lots of buffering to store video up front, so the stream is continuous during busy periods. But buffering creates a minimum 7-s. delay each time the viewer changes the channel—not a recipe for delivering real-time audio or video. It's not even a satisfactory best effort.

Also, consider product-to-product connectivity. FireWire operates using peer-to-peer transmission, so all devices on a 1394 interface can interact. Ethernet needs bulky equipment typically required for data processing.

For an office network, Ethernet is fine, although the FireWire standard can also complete all of an office network very reliably. Yet as we move from computer to home-entertainment networks, led by the move from analog to digital, Ethernet will never do the job without an expensive technical overhaul that carries risk and unnecessary development and leads to only a best-effort transmission.

USB and Ethernet are model standards that are excellent for data transport. But it's simply bad design to try to force them into real-time audio and video applications, or into home-entertainment networks, where 1394 is the best choice.

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1394 Trade Association Approves New Wireless Protocol Adaptation Layer; "Wireless FireWire" Product Development Set to Move Forward
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Set	Items	Description
S1	5037	BBS OR BULLETIN() BOARD() (SUBUNIT? OR SUB()UNIT?) OR BOARD(-2N)TYPE?
S2	7571	(SHARED OR SHARABLE) (4N) (STORAGE OR STORE? ? OR MEMORY OR SERVER? OR CPU OR HOST? OR REPOSITORY? OR NODE?)
S3	449425	NETWORK? OR INTERNET OR WWW OR WORLDWIDE()WEB OR WORLD()WI-DE()WEB OR COMPUTER()NETWORK? OR ONLINE OR ON()LINE OR PORTAL? OR INTRANET? OR LAN OR WAN
S4	1	S1 AND S2 AND S3
S5	2	S1 AND S2
S6	95	S1 AND S3
S7	1540	S2 AND S3
S8	96	S4 OR S5 OR S6
S9	67	S8 AND IC=(G06F? OR H04L? OR G11B? OR H04N?)
S10	40	S9 AND IC=(G06F-015? OR H04L-012? OR G06F-013? OR G11B-020? OR H04N-005?)
S11	2	S8 AND MC=(T01-H04 OR T03-P01 OR T03-P01F OR W01-A06 OR W0-3-A OR W04-K)
S12	40	S10 OR S11

File 347:JAPIO Nov 1976-2004/Feb(Updated 040607)

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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200437

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06755544 **Image available**
METHOD AND SYSTEM FOR CONTROLLING MEDIA COMMUNICATION

PUB. NO.: 2000-341410 [JP 2000341410 A]
PUBLISHED: December 08, 2000 (20001208)
INVENTOR(s): FUKUYAMA NORIYUKI
MORINAGA MASANOBU
MATSUDA MASAHIRO
INOUE YOSHIKI
IWASAKI YASUTAKA
TAKEBAYASHI TOMOYOSHI
HIBINO IKURO
APPLICANT(s): FUJITSU LTD
APPL. NO.: 2000-040249 [JP 200040249]
FILED: February 17, 2000 (20000217)
PRIORITY: 11-075344 [JP 9975344], JP (Japan), March 19, 1999 (19990319)
INTL CLASS: H04M-003/42; G06F-013/00 ; H04L-012/56 ; H04L-029/06 ;
H04M-003/00; H04M-011/00

ABSTRACT

PROBLEM TO BE SOLVED: To facilitate services provided by an ordinary additional device, a modem, a built-in board type telephone set, etc., given by using LAN telephony directly connected to a data network .

SOLUTION: A telephone set is connected to an information terminal through a packet switching network . The information terminal has a list to be controlled object storing a prescribed telephone set and a first control means. The first control means generates a control command, in which the instruction on audio communication is described based on the instruction from a user (#201) and transmits a command to the prescribed telephone set (#202). The telephone set has a terminal list storing a prescribed information terminal and a second control means. The second control means generates a call control command for making audio communication with another telephone set on the packet switching network (#204 and #205), based on the control command received from the prescribed information terminal (#203) and transmits the command to the another telephone set (#206).

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06569967 **Image available**
METHOD AND DEVICE FOR AUTOMATIC ACQUISITION OF DOCUMENT

PUB. NO.: 2000-155733 [JP 2000155733 A]
PUBLISHED: June 06, 2000 (20000606)
INVENTOR(s): IKEDA MASAHIRO
APPLICANT(s): FUJI XEROX CO LTD
APPL. NO.: 10-331146 [JP 98331146]
FILED: November 20, 1998 (19981120)
INTL CLASS: G06F-013/00 ; G06F-003/12

ABSTRACT

PROBLEM TO BE SOLVED: To enable a user to automatically obtain and print out a desired document by storing information regarding a document obtained from a server and automatically acquiring the document from the server according to the stored information.

SOLUTION: An automatic document acquiring device 1 is connected to an

output device 2 which prints a document out and also connected to a **network** 3 such as the **Internet** . Then documents are automatically obtained from a web server 4, a document server 5, a data base server 6, a work group server 7, and a **BBS** server 8 through the **network** 3 and printed out by the output device 2. For example, when a document is obtained from the web server 4, an HTTP request is sent first to the web server 4 through the **network** 3. The web server 4 having received the request attaches the document complying with the request to an HTTP library and sends them back and the automatic document acquiring device 1 having received them sends them out to the output device 2, which prints them out.

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06444101 **Image available**
REAL TIME SUPPLY FOR PLUG-AND-PLAY INSTALLATION RESOURCE

PUB. NO.: 2000-029671 [JP 2000029671 A]
PUBLISHED: January 28, 2000 (20000128)
INVENTOR(s): RUDD MICHAEL L
CULP JERYL R
APPLICANT(s): HEWLETT PACKARD CO (HP)
APPL. NO.: 11-167045 [JP 99167045]
FILED: June 14, 1999 (19990614)
PRIORITY: 100806 [US 98100806], US (United States of America), June 19, 1998 (19980619)
INTL CLASS: G06F-009/06 ; G06F-013/10

ABSTRACT

PROBLEM TO BE SOLVED: To make a device manufacturer able to supply an installation file to an operating system in real time without forcing early announcement of a new product to the device manufacturer.

SOLUTION: A real time 'plug and play' installation mechanism energizes the operating system (103) and retrieves an installation resource from a remote source (105) instead of signaling the operating system (103) so as to activate an existing installation file already shipped together with an operating system file structure. As the examples of a location capable of retrieving the installation resource, (1) an **internet** universal resource location(URL), (2) a dial-up bulletin board service(**BBS**), (3) a local area **network** (**LAN**) or a wide area **network** (**WAN**) for supplying an access protocol required for an installed new device or (4) a nonvolatile storage device (for instance, firmware) physically arranged in the installed new device is included. At the point of time at which an operating system manufacturer distributes a new release, the device manufacturer supplies a special installation file (104) to the operating system manufacturer.

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06290610 **Image available**
INFORMATION REFERENCE SYSTEM

PUB. NO.: 11-232202 [JP 11232202 A]
PUBLISHED: August 27, 1999 (19990827)
INVENTOR(s): UENO TAKESHI
YAMAGUCHI MASAKI
APPLICANT(s): PFU LTD

APPL. NO.: 10-035604 [JP 9835604]
FILED: February 18, 1998 (19980218)
INTL CLASS: G06F-013/00 ; G06F-013/00

ABSTRACT

PROBLEM TO BE SOLVED: To make it possible to simply set up an environment for referring to articles and to enable anyone to easily refer to articles on an electronic bulletin board (EBB) by referring to articles of an EBB on an interconnection **network** (**internet**) or articles of an EBB on a (bulletin board system) **BBS** by using a **WWW** browser.

SOLUTION: An article entering part 101 loads down an article contributed to a prescribed EBB in an article storing part 103, stores the group name of the article in the EBB, a contributed date, a contributor's name a title, an article number, etc., in an index storing part 104 and stores the contributed date of a most newly contributed article of each group out of articles stored in the storing part 103 in a group information storing part 105. A reference part 106 displays a list of group names of the EBB, a list of the titles of articles in each group, the contents of respective articles. These articles contributed from the **WWW** browser to a **network** news server 2 and the **BBS** 3 can be referred to.

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12/5/10 (Item 10 from file: 347)
DIALOG(R) File 347: JAPIO
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05720401 **Image available**
METHOD FOR CONFIRMING TRUE SHOPPING ON **INTERNET** SHOPPING

PUB. NO.: 10-003501 [JP 10003501 A]
PUBLISHED: January 06, 1998 (19980106)
INVENTOR(s): OZAKI KENICHI
SAWADA TOMIHITO
APPLICANT(s): OZAKI KENICHI [000000] (An Individual), JP (Japan)
APPL. NO.: 08-177449 [JP 96177449]
FILED: June 18, 1996 (19960618)
INTL CLASS: [6] G06F-017/60 ; G06F-013/00 ; H04L-012/22
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 44.3 (COMMUNICATION -- Telegraphy); 45.2 (INFORMATION PROCESSING -- Memory Units)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a true shopping confirming method on **internet** shopping which is excellent in security and high in reliability.

SOLUTION: A management number constituted by adding additional information which can be known only by a shopping management base 40 and a user base 10 to an order number added by a shopping mall server station 30 in ordering is added to a purchase content, and it is transferred from the shopping management station 40 to an electronic mail transmission and reception server station 50 based on Shopping-ID data transferred from a host computer 21 of a **BBS** base 20. The communication of the management number and the purchase content is operated through an electronic mail from the electronic mail transmission and reception server base 50 to the user base 10. The consent or refusal of the management number and the purchase content is communicated through the electronic mail from the user base 10 to the electronic transmission and reception server base 50. The communication of the consent or refusal of the management number and the purchase content communicated from the user base 10 to the electronic mail transmission and reception server base 50 is transferred from the electronic mail transmission and reception server base 50 to the shopping management base 40.

12/5/11 (Item 11 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

04020447 **Image available**
INFORMATION PROCESSOR

PUB. NO.: 05-012147 [JP 5012147 A]
PUBLISHED: January 22, 1993 (19930122)
INVENTOR(s): SHIMIZU NORIAKI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 03-159020 [JP 91159020]
FILED: June 28, 1991 (19910628)
INTL CLASS: [5] G06F-013/00 ; H04L-012/40
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 42.5
(ELECTRONICS -- Equipment); 44.3 (COMMUNICATION --
Telegraphy)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors); R139 (INFORMATION PROCESSING -- Word
Processors)
JOURNAL: Section: P, Section No. 1547, Vol. 17, No. 280, Pg. 25, May
28, 1993 (19930528)

ABSTRACT

PURPOSE: To easily and efficiently manage a LAN node address of a global
address type and to prevent the rewriting/destruction of the LAN node
address after shipment.

CONSTITUTION: A LAN address register 44b composed of an on-board
writing type PLD is prepared as a storage device for the LAN node
address. The writing of the LAN node address to the LAN address
register 44b is programmed by a CPU 12 to be connected via a system bus 41.
When the LAN node address is written, a control signal line for writing
is cut by a jumper 44d.

12/5/12 (Item 12 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03922174 **Image available**
SYSTEM FOR CONTROLLING QUALITY INFORMATION OF ELECTRONIC EQUIPMENT MOUNTED
ON PRINTED BOARD

PUB. NO.: 04-287274 [JP 4287274 A]
PUBLISHED: October 12, 1992 (19921012)
INVENTOR(s): MATSUI TOSHIARI
KUBO SHIGERU
SHIMIZU KENZO
IWASAKI KUNIFUMI
KOBAYASHI KOJI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 03-051948 [JP 9151948]
FILED: March 18, 1991 (19910318)
INTL CLASS: [5] G06F-015/21 ; B23P-021/00; B23Q-041/08; H05K-010/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 25.2
(MACHINE TOOLS -- Cutting & Grinding); 42.1 (ELECTRONICS --
Electronic Components)
JOURNAL: Section: P, Section No. 1492, Vol. 17, No. 90, Pg. 10,
February 23, 1993 (19930223)

ABSTRACT

PURPOSE: To recognize the failure rate of electronic equipment mounted on a
printed board by types and parts and to unitarily control the fault
history of the equipment by providing a mounting history and component
tables of the printed board and receiving information from a production

control line in an on - line state.

CONSTITUTION: Ordering data and mounting designing data are respectively supplied to a floor control system 1 from a production control line 6 and CAD system 7 and an order/PCB mounting position file 14 is prepared. Received goods inspected results and warehoused/delivered result data are sent to the system 1 from a warehousing/delivering section 2 and stored in a warehousing/ delivering file 12. Data from a PCB assembly testing section 3 and PCB mounting/device testing section 4 are respectively stored in a PCB manufacturing/parts mounting file 13 and PCB mounted result file 15. When a fault occurs in a product, a customer facility 5 stores the fault data in a field fault file 16. From these files 12-16, the failure rate can be calculated and the influential extent of a fault can be investigated

12/5/13 (Item 13 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03842735 **Image available**
INFORMATION PROCESSOR

PUB. NO.: 04-207835 [JP 4207835 A]
PUBLISHED: July 29, 1992 (19920729)
INVENTOR(s): SHIMIZU NORIAKI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 02-340388 [JP 90340388]
FILED: November 30, 1990 (19901130)
INTL CLASS: [5] H04L-012/40 ; G06F-015/40
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 45.2 (INFORMATION
PROCESSING -- Memory Units); 45.4 (INFORMATION PROCESSING --
Computer Applications)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors)
JOURNAL: Section: E, Section No. 1292, Vol. 16, No. 550, Pg. 6,
November 19, 1992 (19921119)

ABSTRACT

PURPOSE: To easily and effectively control a LAN node address of a global address system by providing a store means where the node address information proper to an information processor is written from outside in a state where the store means is packaged in a substrate.

CONSTITUTION: An on-board write type PLD is prepared as a store device for a LAN node address and this address is written into the PLD from a personal computer 100. Thus the programming is freely carried out from outside with the PLD is kept packaged in a substrate and furthermore the PLD can be easily reset. As a result, the setting freedom of the LAN node address is improved and therefore no replacement of devices is needed. Then it is possible to flexibly deal with a setting mistake.

12/5/14 (Item 14 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03356076 **Image available**
PICTURE DATA RETRIEVING SYSTEM

PUB. NO.: 03-018976 [JP 3018976 A]
PUBLISHED: January 28, 1991 (19910128)
INVENTOR(s): SAKURAI TAKESHI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 01-154310 [JP 89154310]
FILED: June 15, 1989 (19890615)

INTL CLASS: [5] G06F-015/40
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 42.5
(ELECTRONICS -- Equipment)
JOURNAL: Section: P, Section No. 1189, Vol. 15, No. 144, Pg. 10, April
11, 1991 (19910411)

ABSTRACT

PURPOSE: To improve system efficiency by registering tentatively registered data into a single **board type** optical disk and therefore eliminating conflict between the reading action of the retrieved data on an aggregated optical disk device.

CONSTITUTION: A register request given from a register device 5 is sent to a controller 2 via a local area **network** 7, and the registered data is written and tentatively registered into an optical disk of a single **board type** optical disk device 4. At the same time, a retrieving request given from a retrieving device 6 is sent to a control part 1 via the **network** 7. Then the retrieved data is read out of an aggregated optical disk device 3 and sent back to the device 6. The data tentatively registered into the device 4 is transferred to an optical disk of the device 3 and registered finally there in a time band where no retrieving request is produced. As a result, the registering and retrieving processes can be carried out independently of each other. Then the registering process is attained without receiving the influence of the retrieving process.

12/5/23 (Item 9 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014968291 **Image available**
WPI Acc No: 2003-028805/200302
Related WPI Acc No: 1999-539731
XRPX Acc No: N03-022654

Directory service provider for computer network , runs application programs storing different directory structures with content nodes representing on - line service and content entities of computer network

Patent Assignee: NOLAN S P (NOLA-I); SAN ANDRES R J (ANDR-I); SANDERMAN D S (SAND-I)

Inventor: NOLAN S P; SAN ANDRES R J; SANDERMAN D S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020124082	A1	20020905	US 95485493	A	19950607	200302 B
			US 95516978	A	19950818	
			US 98139090	A	19980824	

Priority Applications (No Type Date): US 95516978 A 19950818; US 95485493 A 19950607; US 98139090 A 19980824

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020124082	A1	35	G06F-015/16	CIP of application US 95485493 Cont of application US 95516978

Abstract (Basic): US 20020124082 A1

NOVELTY - The application program run on respective application servers which store different directory structures with content nodes representing **on - line** service and content entities of a **computer network** . An application program interface (API) links the application programs, to provide an integrated directory service to users accessing the directory structure.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Distributed directory service;
- (2) Directory provision method;
- (3) Directory information limiting method;

- (4) Filtered directory provision method;
- (5) Node; and
- (6) Icon downloading method.

USE - For **computer network** for providing chat, BES message, download-and-run file services and bulletin board system (**BBS**) services.

ADVANTAGE - Application services are integrated so that the content nodes have hierarchical structure, enabling user to obtain service data that are changed frequently. Therefore the API provides a high degree of service extensibility.

DESCRIPTION OF DRAWING(S) - The figure shows the mapping of content of **online services network** to multiple hierarchical, tree-like directory structure of nodes.

pp; 35 DwgNo 2/11

Title Terms: DIRECTORY; SERVICE; COMPUTER; **NETWORK** ; RUN; APPLY; PROGRAM; STORAGE; DIRECTORY; STRUCTURE; CONTENT; NODE; REPRESENT; LINE; SERVICE; CONTENT; ENTITY; COMPUTER; **NETWORK**

Derwent Class: T01; W01

International Patent Class (Main): **G06F-015/16**

International Patent Class (Additional): **G06F-015/173**

File Segment: EPI

12/5/27 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014194617 **Image available**

WPI Acc No: 2002-015314/200202

XPX Acc No: N02-012600

Information processor for audio-video apparatus, stores information sharable between other information processors connected through network

Patent Assignee: SONY CORP (SONY); HORIGUCHI M (HORI-I); KAWAMURA H (KAWA-I)

Inventor: HORIGUCHI M; KAWAMURA H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001285311	A	20011012	JP 200097940	A	20000330	200202 B
US 20020010752	A1	20020124	US 2001819399	A	20010328	200210

Priority Applications (No Type Date): JP 200097940 A 20000330

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001285311	A	21	H04L-012/28	
US 20020010752	A1		G06F-015/167	

Abstract (Basic): JP 2001285311 A

NOVELTY - A **storage unit stores information sharable** between other information processors connected through a **network** . New information description area with discriminative information write-in area, is created for other information processors depending on demand from the other information processors.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Information processing method;
- (b) Information processing system;
- (c) Recording medium storing information processing program

USE - For audio-video apparatus e.g. digital video cassette recorder.

ADVANTAGE - Since the **storage unit stores information sharable** between other information processors, **memory** is effectively used.

DESCRIPTION OF DRAWING(S) - The figure shows the **board type** structural model of information processor.

pp; 21 DwgNo 5/25

Title Terms: INFORMATION; PROCESSOR; AUDIO; VIDEO; APPARATUS; STORAGE; INFORMATION; INFORMATION; PROCESSOR; CONNECT; THROUGH; **NETWORK**

Derwent Class: T01; T03; W01; W03; W04
International Patent Class (Main): G06F-015/167 ; H04L-012/28
International Patent Class (Additional): G06F-013/38 ; G11B-020/10 ;
G11B-020/12 ; H04N-005/44 ; H04N-005/765
File Segment: EPI

12/5/28 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014154935 **Image available**
WPI Acc No: 2001-639160/200173
XRPX Acc No: N01-477741

Information transfer method in Internet , involves introducing members
with target and other member based on attribute information of members
registered at database

Patent Assignee: CASIO COMPUTER CO LTD (CASK)
Inventor: OMATA S; SAKAMAKI K; WAKUI K
Number of Countries: 011 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200171559	A2	20010927	WO 2000JP6875	A	20001003	200173 B
JP 2001338176	A	20011207	JP 2000274259	A	20000911	200202
AU 200074538	A	20011003	AU 200074538	A	20001003	200210
KR 2002022674	A	20020327	KR 2001714970	A	20011123	200264
EP 1328876	A1	20030723	EP 2000963074	A	20001003	200350
			WO 2000JP6875	A	20001003	
US 6658410	B1	20031202	US 2000679223	A	20001004	200379
AU 769341	B	20040122	AU 200074538	A	20001003	200412

Priority Applications (No Type Date): JP 2000274259 A 20000911; JP
200082673 A 20000323

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200171559	A2	E	68	G06F-017/30	
Designated States (National): AU CN KR					
Designated States (Regional): BE DE FR GB IT NL					
JP 2001338176	A		32	G06F-017/60	
AU 200074538	A			G06F-017/30	Based on patent WO 200171559
KR 2002022674	A			G06F-017/00	
EP 1328876	A1	E		G06F-017/30	Based on patent WO 200171559
Designated States (Regional): BE DE FR GB IT NL					
US 6658410	B1			G06F-017/30	
AU 769341	B			G06F-017/30	Previous Publ. patent AU 200074538 Based on patent WO 200171559

Abstract (Basic): WO 200171559 A2

NOVELTY - The attribute information of several members are
registered in a database. The members are introduced to identify other
and target members based on their attribute information through a
network . The information are transferred between target and introduced
members through **network** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:

- (a) Information transfer system;
- (b) Computer readable recording device storing program of
information transfer method

USE - For transferring information in **Internet** for establishing
one-to-one communication between users e.g. bulletin board system (**BBS**
).

ADVANTAGE - The **network** system intermediates between the members
for introducing the members, and allows them to exchange messages
without charges except the contact with posting a message to the **BBS** .

DESCRIPTION OF DRAWING(S) - The figure shows the message exchanging
process in information transfer system.

pp; 68 DwgNo 3/32
Title Terms: INFORMATION; TRANSFER; METHOD; INTRODUCING; MEMBER; TARGET;
MEMBER; BASED; ATTRIBUTE; INFORMATION; MEMBER; REGISTER; DATABASE
Derwent Class: P85; T01
International Patent Class (Main): G06F-017/00 ; G06F-017/30 ;
G06F-017/60
International Patent Class (Additional): G06F-015/16 ; G09G-005/00
File Segment: EPI; EngPI

12/5/29 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014049732 **Image available**
WPI Acc No: 2001-533945/200159

Dslam multi-input synchronizing duplexer and method of it

Patent Assignee: HYNIX SEMICONDUCTOR INC (HYNI-N)

Inventor: HUH S S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001025818	A	20010406	KR 9936852	A	19990901	200159 B

Priority Applications (No Type Date): KR 9936852 A 19990901

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001025818	A	1	H04L-012/16	

Abstract (Basic): KR 2001025818 A

NOVELTY - A DSLAM multi-input synchronizing duplexer and a method of it are provided to replace one board with another board when the board is replaced or when the input signal is failed by recovering external synchronizing clocks given from the existing **network** and clocks such as STM1, DS3, E1, T1, etc to keep a phase synchronization of the overall system, and duplexing the board.

DETAILED DESCRIPTION - ADPB boards(10,20) transmit sending/receiving signals. CSUB synchronous-part boards(30,40) maintain a phase synchronization by using an external synchronizing signal or receiving a loop synchronizing signal when the external synchronizing signal does not exist, and are also duplexed to allow a slave board to be a master board when the master board does not work well. A CSDB synchronous-part board(50) is input a synchronization and output signals such as E1, STM1 UNI, DS3 UNI, T1 UNI, etc, via a PLL-part. A synchronous line(60) is connected between the CSDB synchronous-part board(50) and the CSUB synchronous-part boards(30, 40) to forward E1ext, a duplexing signal, a **board type**, and a synchronous signal, etc. The CSDB synchronous-part board(50) also consists of a synchronous input-part(51) which is input a synchronization through the synchronous line, a PLL-part(52) which is a phase locked loop and an E1 UNI(53).

pp; 1 DwgNo 1/10

Title Terms: MULTI; INPUT; DUPLEX; METHOD

Derwent Class: W01

International Patent Class (Main): H04L-012/16

File Segment: EPI

12/5/30 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013705071 **Image available**
WPI Acc No: 2001-189295/200119

Single board type packet network interface of a large scale communication process system - NoAbstract

Patent Assignee: DAEWOO TELECOM LTD (DAEW-N); MERCURY CORP (MERC-N)

Inventor: KIM Y M

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2000046344	A	20000725	KR 9863024	A	19981231	200119 B
KR 289579	B	20010601	KR 9863024	A	19981231	200223

Priority Applications (No Type Date): KR 9863024 A 19981231

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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KR 2000046344	A		H04L-012/56	
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KR 289579	B		H04L-012/56	Previous Publ. patent KR 2000046344
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Title Terms: SINGLE; BOARD; TYPE; PACKET; **NETWORK** ; INTERFACE; SCALE;
COMMUNICATE; PROCESS; SYSTEM; NOABSTRACT

Derwent Class: W01

International Patent Class (Main): **H04L-012/56**

File Segment: EPI

12/5/31 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013167580 **Image available**

WPI Acc No: 2000-339453/200029

Related WPI Acc No: 2000-339454; 2000-339455; 2000-339456; 2002-470090;
2003-656018

XRPX Acc No: N00-254885

**Wireless multichannel broadband base station for cellular communication
network includes channel processor which process any of traffic channels
contained on any of baseband signal**

Patent Assignee: AIRNET COMMUNICATIONS CORP (AIRN-N)

Inventor: WILLIAMS T L

Number of Countries: 087 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200022846	A1	20000420	WO 99US24319	A	19991015	200029 B
AU 200013168	A	20000501	AU 200013168	A	19991015	200036
EP 1121817	A1	20010808	EP 99956590	A	19991015	200146
			WO 99US24319	A	19991015	
CN 1326645	A	20011212	CN 99813485	A	19991015	200225
CN 1335022	A	20020206	CN 99813562	A	19991015	200231
EP 1121817	B1	20030521	EP 99956590	A	19991015	200341
			WO 99US24319	A	19991015	
DE 69908166	E	20030626	DE 608166	A	19991015	200350
			EP 99956590	A	19991015	
			WO 99US24319	A	19991015	

Priority Applications (No Type Date): US 98104441 P 19981015

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200022846	A1 E	44	H04Q-007/00	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CR
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200013168	A			Based on patent WO 200022846
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EP 1121817	A1 E		H04Q-007/00	Based on patent WO 200022846
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

CN 1326645	A		H04Q-007/20	
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CN 1335022	A		H04Q-007/00	
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EP 1121817	B1 E		H04Q-007/00	Based on patent WO 200022846
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
LU MC NL PT SE

DE 69908166	E		H04Q-007/00	Based on patent EP 1121817
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Abstract (Basic): WO 200022846 A1

NOVELTY - The rate convertor processor (40a) (RCP) converts frequency channels from data rate of about 320 kilo samples per second to data rate of about 270-833 kilobits per second. The communication time division multiplexed (TDM) interface (32) transports modulated baseband signals for each of frequency channels between RCP and channel processor (CP) which process traffic channels on any of baseband signals.

DETAILED DESCRIPTION - The broadband transceiver (28a) provides up conversion and down conversion between RF band and intermediate frequency. The trans multi processor (30a) (XMUX) interfacing with broadband transceiver (30a-30n), demultiplex single wideband IF received signal to form set of individual frequency channels into single wideband IF signal. The RCP multiplexer and demultiplexer data are contained in predefined TDMA time slots for one of frequency channels. The central processing unit (38) is connected to each of channel processor for selectively allocating any of channel processor for processing one of traffic channel and any control channel on any one of frequency channels.

USE - The wireless multichannel broadband base station (**BBS**) for cellular communication **network** .

ADVANTAGE - Since diversity reception is not required, single receiver can be used. Reduces number of hardware processing resources such as channel processor to achieve given traffic processing capacity. Processing efficiency of channel processor is increased by selective processing of calls. Simplifies allocation of channel processors and none of channel processors are restricted to processor traffic or calls on specific absolute RF channel number (ARFCN).

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of broadband base station.

Broadband transceiver (28a-28n)

Trans multiplexres (30a-30n)

TDM bus (32)

CPU (38)

Rate convertor processor (40a)

pp; 44 DwgNo 1/13

Title Terms: WIRELESS; MULTICHANNEL; BROADBAND; BASE; STATION; CELLULAR; COMMUNICATE; **NETWORK** ; CHANNEL; PROCESSOR; PROCESS; TRAFFIC; CHANNEL; CONTAIN; BASEBAND; SIGNAL

Derwent Class: W01; W02

International Patent Class (Main): H04Q-007/00; H04Q-007/20

International Patent Class (Additional): H04B-001/38; H04B-007/212;

H04B-007/26; **H04L-012/50**

File Segment: EPI

12/5/32 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013162905 **Image available**

WPI Acc No: 2000-334778/200029

XRPX Acc No: N00-252469

Common operation assistance apparatus for conference room selection, displays information indicating relationships between master documents and comments, during bonding of comments on master documents

Patent Assignee: FUJI XEROX CO LTD (XERF)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000105731	A	20000411	JP 98274573	A	1998092	200029 B

Priority Applications (No Type Date): JP 98274573 A 19980929

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

Abstract (Basic): JP 2000105731 A

NOVELTY - A comment sticking on unit bonds a comment on the master document. A relationship holder (12) holds the information related to relationship between the comments, during bonding of comment. The relationship holder (13) holds the information related to relationship between the master documents. A display control unit (14) displays the relationship between the master document, and the comments.

USE - For conference room selection utilizing a **network**, electronic mail, **network** news, electronic bulletin board system (**BBS**) etc.

ADVANTAGE - Participant can be made to understand the entire situation of propisus using simple technique.

DESCRIPTION OF DRAWING(S) - The figure shows the principle of common operation assistance apparatus.

Relationship holders (12,13)

Display control unit (14)

pp; 10 DwgNo 1/12

Title Terms: COMMON; OPERATE; ASSIST; APPARATUS; CONFER; ROOM; SELECT; DISPLAY; INFORMATION; INDICATE; RELATED; MASTER; DOCUMENT; COMMENTARY; BOND; COMMENTARY; MASTER; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-003/00 ; G06F-015/00

File Segment: EPI

12/5/33 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013086858 **Image available**

WPI Acc No: 2000-258730/200023

Related WPI Acc No: 2000-248124

XRPX Acc No: N00-192461

Recording control of a networked video recording device, comprises control of an Integrated Receiver Decoder, (IRD), to provide reservation material into a Resource Schedule Board, (RSB)

Patent Assignee: SONY CORP (SONY)

Inventor: HORIGUCHI M; KAWAMURA H; YAMAMOTO K

Number of Countries: 028 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 987892	A2	20000322	EP 99307185	A	19990913	200023 B
JP 2000316133	A	20001114	JP 99251103	A	19990906	200062
KR 2000023129	A	20000425	KR 9939228	A	19990914	200107
MX 9908383	A1	20001001	MX 998383	A	19990913	200158

Priority Applications (No Type Date): JP 9953656 A 19990302; JP 98259735 A 19980914; JP 98296502 A 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 987892 A2 E 39 H04N-005/782

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

JP 2000316133 A 19 H04N-005/765

KR 2000023129 A G11B-015/02

MX 9908383 A1 H04L-012/40

Abstract (Basic): EP 987892 A2

NOVELTY - A controller (11) controls the entire IRD, by receiving selection information from the user, and the DVCR by using AV/C command sets. A tuner sub unit (12) extracts channel information under the control of the controller. The controller further searches for information stored on the **Bulletin Board Sub unit (BBS)**.

DETAILED DESCRIPTION - The **network** system comprises IRD (1)

- connected via a serial bus (2) to a Digital Video Cassette Recorder, (DVCR), (3). In addition, devices comprising an IEEE-1394 terminal can also be connected. The **BBS** comprises an RSB that stores information regarding recording reservations input from the controller of the IRD. An INDEPENDENT CLAIM is included for a control program.

USE - Control of a **networked** DVCR recording from various **networked** information sources.

ADVANTAGE - The controller ensures that the DVCR will not be double booked by two or more information sources.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic of the **network**

IRD (1)
Serial bus (2)
DVCR (3)
Controller (11)
Tuner sub unit (12)
pp; 39 DwgNo 2/34

Title Terms: RECORD; CONTROL; VIDEO; RECORD; DEVICE; COMPRISE; CONTROL; INTEGRATE; RECEIVE; DECODE; RESERVE; MATERIAL; RESOURCE; SCHEDULE; BOARD
Derwent Class: T01; W01; W03; W04
International Patent Class (Main): G11B-015/02 ; H04L-012/40 ; H04N-005/765 ; H04N-005/782
International Patent Class (Additional): H04L-012/28 ; H04N-005/7826
File Segment: EPI

12/5/34 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012843372 **Image available**
WPI Acc No: 2000-015204/200002
XRPX Acc No: N00-011976

Access control system for network manager system

Patent Assignee: NORTEL NETWORKS CORP (NELE); NORTEL NETWORKS LTD (NELE)

Inventor: HYNDMAN A C; WALLS G F; WALLIS G F
Number of Countries: 027 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 957424	A2	19991117	EP 99303759	A	19990514	200002 B
CA 2271352	A1	19991114	CA 2271352	A	19990506	200017
US 6449643	B1	20020910	US 9878606	A	19980514	200263
CA 2271352	C	20030325	CA 2271352	A	19990506	200324

Priority Applications (No Type Date): US 9878606 A 19980514

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 957424	A2	E 22	G06F-001/00	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
CA 2271352	A1	E	H04L-012/24	
US 6449643	B1		G06F-015/16	
CA 2271352	C	E	H04L-012/24	

Abstract (Basic): EP 957424 A2

NOVELTY - The access control system for a **network** manager system provided with building blocks (**BBs**), each specialized for executing a number of functions on a number of resources of the **network** , and with a graphical user interface (GUI).

DETAILED DESCRIPTION - Each BB comprises a database for storing access control data pertinent to the component including all resources accessible to the BB, all functions executable by the BB and all users that have the right to use the BB, according to privileges allocated to each user. The BB also comprises an access control library for writing and reading the access control data to and from the database for execution of a **network** operation according to the respective

. privileges. The access control system further comprises an access control user interface connected to the access control library of each BB, for viewing and editing the access control data on the GUI.

An INDEPENDENT CLAIM is included for a method for controlling access of a user in a **network** manager system.

USE - For controlling access for **network** manager system.

ADVANTAGE - Can discover resources gradually over time. Retains knowledge of resources in order to maintain configured privileges even when the system at large does not retain this knowledge.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram illustrating the access control system.

pp; 22 DwgNo 2B/10

Title Terms: ACCESS; CONTROL; SYSTEM; **NETWORK** ; MANAGE; SYSTEM

Derwent Class: T01

International Patent Class (Main): **G06F-001/00** ; **G06F-015/16** ;

H04L-012/24

File Segment: EPI

12/5/35 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012254653 **Image available**

WPI Acc No: 1999-060760/199905

XRPX Acc No: N99-045147

Multimode testing and test data collection method for performance of modem - using test unit to collect survey, snapshot and realtime data packets in predetermined data file to be communicated to BBS station for debugging system and determining performance of system

Patent Assignee: CIRRUS LOGIC INC (CIRR-N)

Inventor: NORDLING K I; NORDLING K

Number of Countries: 069 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9857486	A1	19981217	WO 98US11620	A	19980610	199905 B
AU 9879544	A	19981230	AU 9879544	A	19980610	199920
US 5943391	A	19990824	US 97872788	A	19970610	199941

Priority Applications (No Type Date): US 97872788 A 19970610

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9857486	A1	E	29	H04M-011/06	
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Designated States (National): AU BA BB BG BR CA CN CU CZ EE GE GH GM GW HU ID IL IS JP KE KP KR LC LK LR LS LT LU LV MG MK MN MW MX NO NZ PL RO SD SG SI SK SL TR TT UA UG VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GR IE IT LU MC NL PT SE

AU 9879544	A		H04M-011/06	Based on patent WO 9857486
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US 5943391	A		H04M-001/24	
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Abstract (Basic): WO 9857486 A

The method involves installing a test unit including a data pump test data collector in a selected computer system including a modem connected to a telephone **network** . The modem is activated to make a predetermined call to the telephone **network** . Test data packets are collected in a predetermined data file with the data pump.

The data packet is a survey data packet. The data packet is a snapshot data packet. The data packet is a real-time data packet. The method further involves evaluating the modem and the connection to the telephone **network** . The data packets are indicative of the evaluation.

ADVANTAGE - Provides in situ testing of data pump in various combinations of trunks, lines and modems during which comprehensive test data is consistently collected independent of operator skills and effort. Allows greater testing of data pump.

Dwg.1/8

Title Terms: MULTIMODE; TEST; TEST; DATA; COLLECT; METHOD; PERFORMANCE;

MODEM; TEST; UNIT; COLLECT; SURVEYING; SNAPSHOT; DATA; PACKET;
PREDETERMINED; DATA; FILE; COMMUNICATE; STATION; DEBUG; SYSTEM; DETERMINE
; PERFORMANCE; SYSTEM
Derwent Class: T01; W01
International Patent Class (Main): H04M-001/24; H04M-011/06
International Patent Class (Additional): G06F-011/00 ; G06F-011/34 ;
H04L-012/26 ; H04M-003/08; H04M-003/22
File Segment: EPI

12/5/36 (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012001742 **Image available**
WPI Acc No: 1998-418652/199836
XRPX Acc No: N98-326382

**PC communication co-operation system for WWW - has converter which
converts file on network which is different from message file with
reference to definition information**

Patent Assignee: FUJITSU LTD (FUJIT)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10171723	A	19980626	JP 97217202	A	19971009	199836 B

Priority Applications (No Type Date): JP 96268580 A 19961009

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10171723	A	23	G06F-013/00	

Abstract (Basic): JP 10171723 A

The system has an electronic bulletin board type message file provided in a PC. A definition information is received which defines correspondence with the format of the message file and the file format on a network. A converter converts the file on the network which is different from the message file with reference to the definition information.

ADVANTAGE - Enables registering data on PC communication into WWW server automatically.

Dwg.1/26

Title Terms: COMMUNICATE; CO; OPERATE; SYSTEM; CONVERTER; CONVERT; FILE;

NETWORK ; MESSAGE; FILE; REFERENCE; DEFINE; INFORMATION

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00

File Segment: EPI

12/5/37 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011621684 **Image available**
WPI Acc No: 1998-038812/199804
XRPX Acc No: N98-031284

**Computer terminal for network communication using LAN , WAN -
Performs data communication via intelligent type network connection
board by means of programs stored in memory**

Patent Assignee: NISSHIN ELECTRICAL CO LTD (NDEN)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9293037	A	19971111	JP 96108131	A	19960426	199804 B

Priority Applications (No Type Date): JP 96108131 A 19960426

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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Abstract (Basic): JP 9293037 A

The computer terminal (1) is operated by a first program. An ethernet board (3) is operated on a **network** by a second program which is stored in RAM (4) of the CPU board (2). Based on the first program and second program, the operation of computer terminal is controlled by a control part.

After starting the first program, the second program is automatically guided in the middle of execution of first program so as to do **network** communication.

ADVANTAGE - Enables automatic **network** communication. Needs no mouse. Facilitates management of software.

Dwg.1/2

Title Terms: COMPUTER; TERMINAL; **NETWORK** ; COMMUNICATE; LAN ; WAN ; PERFORMANCE; DATA; COMMUNICATE; INTELLIGENCE; TYPE; **NETWORK** ; CONNECT; BOARD; PROGRAM; STORAGE; MEMORY

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-013/10

File Segment: EPI

12/5/38 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011049707 **Image available**

WPI Acc No: 1997-027631/199703

XRPX Acc No: N97-023390

Network information processor for electronic BBS - includes information selector to select information that is perused based on attribute extracted by information attribute extraction device

Patent Assignee: TOSHIBA KK (TOKE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8288960	A	19961101	JP 9589227	A	19950414	199703 B

Priority Applications (No Type Date): JP 9589227 A 19950414

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8288960	A	6	H04L-012/54	

Abstract (Basic): JP 8288960 A

The **network** information processor has a communication device (1) which exchanges information with a host computer (7). An information attribute extraction device (12) extracts the attribute of each information registered into a conference room.

An information selector (13) selects the information to be referred based on the extracted attribute. A display unit (3) displays the referred information selected by the selector.

ADVANTAGE - Improves information referred efficiency. Shortens access time.

Dwg.1/3

Title Terms: **NETWORK** ; INFORMATION; PROCESSOR; ELECTRONIC; INFORMATION; SELECT; SELECT; INFORMATION; BASED; ATTRIBUTE; EXTRACT; INFORMATION; ATTRIBUTE; EXTRACT; DEVICE

Index Terms/Additional Words: BULLETIN; BOARD; SYSTEM

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/54

International Patent Class (Additional): G06F-013/00 ; H04L-012/58

File Segment: EPI

12/5/39 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010730817 **Image available**

WPI Acc No: 1996-227772/199623

XRPX Acc No: N96-191536

**E-mail system using BBS of intramural LAN , PC communication network
- specifies latest control information definition, from among many
control information definitions provided for same definition name**

Patent Assignee: HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8088647	A	19960402	JP 94223490	A	19940919	199623 B

Priority Applications (No Type Date): JP 94223490 A 19940919

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8088647	A	5	H04L-012/54	

Abstract (Basic): JP 8088647 A

The E-mail system comprises two kinds of information, a control information definition name (12) and a version information (13). Employee's propriety switch (14) is provided by which propriety for circulation control of a document is specified, based on a control information definition (7). A latest mark specification unit (15) specifies whether the current control information used is the latest from among many control information definitions provided with same control information definition name.

ADVANTAGE - Mitigates burden of managing control information definition. Facilitates changing control information definition, without affecting currently used control information definition.

Dwg.4/4

Title Terms: MAIL; SYSTEM; LAN ; COMMUNICATE; NETWORK ; SPECIFIED; LATE; CONTROL; INFORMATION; DEFINE; CONTROL; INFORMATION; DEFINE; DEFINE; NAME
Derwent Class: T01; W01

International Patent Class (Main): H04L-012/54

International Patent Class (Additional): G06F-013/00 ; H04L-012/18 ;
H04L-012/40 ; H04L-012/58

File Segment: EPI

12/5/40 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008973090

WPI Acc No: 1992-100359/199213

XRPX Acc No: N92-074952

**Wide service area interconnection type electronic message board -
has circuit network for connecting multi-user nodes to input message
storage station NoAbstract Dwg 2/5**

Patent Assignee: FUJITSU LTD (FUIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4042639	A	19920213	JP 90150288	A	19900608	199213 B

Priority Applications (No Type Date): JP 90150288 A 19900608

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 4042639	A	5		

Title Terms: WIDE; SERVICE; AREA; INTERCONNECT; TYPE; ELECTRONIC; MESSAGE; BOARD; CIRCUIT; NETWORK ; CONNECT; MULTI; USER; NODE; INPUT; MESSAGE; STORAGE; STATION; NOABSTRACT

Derwent Class: R57; W01

International Patent Class (Additional): H04L-012/54

File Segment: EPI

Set	Items	Description
S1	686	BBS OR BULLETIN() BOARD() (SUBUNIT? OR SUB()UNIT?) OR BOARD(-2N)TYPE?
S2	269	(SHARED OR SHARABLE) (4N) (STORAGE OR STORE? ? OR MEMORY OR - SERVER? OR CPU OR HOST? OR REPOSITORY? OR NODE?)
S3	62507	NETWORK? OR INTERNET OR WWW OR WORLDWIDE()WEB OR WORLD()WI-DE()WEB OR COMPUTER()NETWORK? OR ONLINE OR ON()LINE OR PORTAL? OR INTRANET? OR LAN OR WAN
S4	4	S1 AND S2 AND S3
S5	4	S4 NOT PY>2000
S6	4	S5 NOT PD>20000230

File 256:SoftBase:Reviews,Companies&Prods. 82-2004/May
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6/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00103015 DOCUMENT TYPE: Review

PRODUCT NAMES: MetaWorlds for Windows 95 & Windows NT (672939)

TITLE: The Web Goes Back to the BBS
AUTHOR: Fowler, Dennis
SOURCE: Computer Shopper, v17 n8 p472(1) Aug 1997
ISSN: 0886-0556
HOMEPAGE: <http://www.computershopper.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Clark Development's MetaWorlds for Windows 95 and Windows NT provides **World Wide Web** browser access to server-based and **Internet** mail (Simple Message Transfer Protocol (SMTP) and Post Office Protocol 3), internal message conferences and Usenet newsgroups, file libraries (with long descriptions, browsing, searching, uploading, and downloading), and external, character-based DOS programs, including games. The MetaWorlds server is accessible via modem or a **network** connection, and resources of a PCBoard **BBS server** can be **shared** by importing required data. MetaWorlds, a modular product, has a primary program that provides basic functionality, including message bases, file libraries, security features, and accounting. The Web server is a separate component that processes browser requests, MIME (Multipurpose **Internet** Mail Extension) encoding, and other tasks. Static and dynamic Hypertext Markup Language (HTML) are supported to allow screens to be enhanced using server-side includes directives for personalization with particular user information or system variables. The function sets of the modules create a total Web solution. For instance, users can bookmark any location on a MetaWorlds system, and a modem-server module allows MetaWorlds to receive incoming modem calls. Security is managed through user profiles that allow access to areas established by the sysop.

PRICE: \$99

COMPANY NAME: Clark Development Co Inc (483575)
SPECIAL FEATURE: Charts Screen Layouts
DESCRIPTORS: E-Mail Utilities; Front Ends; IBM PC & Compatibles; **Internet** Utilities; User Interfaces; Windows; Windows NT/2000
REVISION DATE: 20010330

6/5/2

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00097023 DOCUMENT TYPE: Review

PRODUCT NAMES: MindWire NT Server 2.01 (644463); MindWire Connector Client 2.02 (644471)

TITLE: Develop Your Own Online Service
AUTHOR: Schoen, Scott
SOURCE: Data Based Advisor, v14 n11 p10(3) Nov 1996
ISSN: 0740-5200
HOMEPAGE: <http://www.advisor.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Durand Communications' MindWire NT Server 2.01 and MindWire Connector Client 2.02, two products that work together to allow users to design their own **online** service, are recommended for good Open Database Connectivity (ODBC) connectivity; very good client applications and screens; and a robust application for the price. However, documentation and installation need improvement, and the MindWire NT Server can be sidestepped through RAS. No security is provided for transaction processing, and the products are still under substantial revision. With the MindWire products, companies can develop and provide to customers a complete applications interface via the **Internet**. The Multiple Listing Service (MLS), for example, is using the MindWire products to allow clients to easily gain access to databases. Durand's CommunityWare business model is recommended for implementation of the MindWire **Server** for group- **shared** applications and data, either by area or common interest. The freeware client, MindWire Connector, works only with MindWire sites and can be downloaded from MindWire's site. During tests, installers encountered many errors, and the vendor's technical support department is still ramping up to support two provided drivers, SQL and Access.

PRICE: \$2495

COMPANY NAME: Durand Communications **Network** Inc (593133)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: **BBS** (Bulletin Board Systems); Client/server; Content Providers; Electronic Publishing; **Internet** Utilities; Program Development; Windows NT/2000
REVISION DATE: 20010330

6/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00095454 DOCUMENT TYPE: Review

PRODUCT NAMES: Lotus Notes (550418); OpenMind (525731); GroupWorks 2.0 (551287); Timbuktu Pro for Windows (424919); LiveBoard (603376)

TITLE: Mind Tools: Connecting to Groupware
AUTHOR: Rasmus, Daniel W
SOURCE: PC AI, v10 n5 p32(5) Sep/Oct 1996
ISSN: 0894-0711
HOMEPAGE: <http://www.pcai.com/pcai>

RECORD TYPE: Review
REVIEW TYPE: Product Comparison
GRADE: Product Comparison, No Rating

Lotus Development's Lotus Notes, Attachmate's Openmind, FTP Software's GroupWorks 2.0, Farallon Computing's Timbuktu, and LiveWorks' LiveBoard are among groupware products described. E-mail is insufficient as a business communication tool, and groupware can extend its usefulness with a more feature-rich environment for digital conversation. Tools provided include discussion databases with rich text attachments; digital notes as comments on graphics; desktop video; and a shared view of the document under discussion. Notes, Collabra, Openmind, Vineyard, GroupWorks, QuestMap, and FirstClass are **shared memory** products; they capture conversation in a repository, which is either a simple file structure or more advanced dialog threads in a database or object repository. Timbuktu, Real-Time Notes, and LiveBoard are shared screen programs providing application sharing or remote control. Group decision support tools include Group Systems and Co-Motion; group writing and editing products include Common Knowledge, RE:Mark, and MarkUp.

COMPANY NAME: IBM Lotus software (254975); Attachmate Corp (417041); NetManage Inc (525375); Netopia Inc (422932); LiveWorks Inc (617105)
SPECIAL FEATURE: Screen Layouts Charts

DESCRIPTORS: **BBS** (Bulletin Board Systems); Conferencing; Decision
Support Systems; Groupware; IBM PC & Compatibles; **Network** Software;
Notes/Domino; Windows
REVISION DATE: 20031021

6/5/4
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00072897 DOCUMENT TYPE: Review

PRODUCT NAMES: Netscape Collabra Server 1.0 (652709); Network Central
(519952); ECCO Pro 2.0 (434485); WanderLink (513199); WinFax Pro 4.0 for
Networks (339393)

TITLE: Five Great Workgroup Packages That Boost Your Productivity
AUTHOR: Kenny, Catherine McCracken, Harry Bender, Eric Smith, Jennifer
SOURCE: PC World/Lotus Edition, v13 n1 p226(4) Jan 1995
ISSN: 0737-8939

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Workgroup software provides a tremendous productivity boost. Five packages provide the ability to share documents and information, manage projects, and share peripheral devices. Collabra Software's Collabra Share 1.0 establishes public discussion areas called forums. Members of the forum can create and send messages, and share documents by attaching or embedding them. **Network** Central, from First Floor, **stores shared** documents in a File Center. Group discussion is allowed, and messages can be threaded. NetManage's Ecco Professional 2.0 lets everyone in a workgroup coordinate their calendars and share phone books. Wanderlink, from Funk Software, provides remote access to the office PC, allowing remote users to dial into the **network** to retrieve files, print projects, and review e-mail. Delrina's WinFax Pro 4.0 for **Networks** lets a workgroup share a single fax-modem over a **network**, and is an ideal solution for a workgroup that has heavy fax activity.

COMPANY NAME: Netscape Communications Corp (592625); FirstFloor Software
Inc (587451); NetManage Inc (525375); Funk Software Inc (339822);
Symantec Corp (386251)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: **BBS** (Bulletin Board Systems); Conferencing; Fax Software;
Groupware; IBM PC & Compatibles; **Network** Servers; **Network** Software;
Personal Information Management; Remote **Network** Access
REVISION DATE: 20000228

Set	Items	Description
S1	3189	BBS OR BULLETIN() BOARD() (SUBUNIT? OR SUB()UNIT?) OR BOARD(-2N)TYPE?
S2	21693	(SHARED OR SHARABLE) (4N) (STORAGE OR STORE? ? OR MEMORY OR - SERVER? OR CPU OR HOST? OR REPOSITORY? OR NODE?)
S3	1990221	NETWORK? OR INTERNET OR WWW OR WORLDWIDE()WEB OR WORLD()WI-DE()WEB OR COMPUTER()NETWORK? OR ONLINE OR ON()LINE OR PORTAL? OR INTRANET? OR LAN OR WAN
S4	3	S1 AND S2 AND S3
S5	6	S1 AND S2
S6	842	S1 AND S3
S7	6	S4 OR S5
S8	6	S7 NOT PY>2000
S9	6	S8 NOT PD>20000330
S10	4	RD (unique items)
File	8: Ei	Compendex(R) 1970-2004/Jun W1 (c) 2004 Elsevier Eng. Info. Inc.
File	35:	Dissertation Abs Online 1861-2004/May (c) 2004 ProQuest Info&Learning
File	202:	Info. Sci. & Tech. Abs. 1966-2004/May 14 (c) 2004 EBSCO Publishing
File	65:	Inside Conferences 1993-2004/Jun W2 (c) 2004 BLDSC all rts. reserv.
File	2:	INSPEC 1969-2004/Jun W1 (c) 2004 Institution of Electrical Engineers
File	233:	Internet & Personal Comp. Abs. 1981-2003/Sep (c) 2003 EBSCO Pub.
File	94:	JICST-EPlus 1985-2004/May W4 (c) 2004 Japan Science and Tech Corp (JST)
File	99:	Wilson Appl. Sci & Tech Abs 1983-2004/May (c) 2004 The HW Wilson Co.
File	95:	TEME-Technology & Management 1989-2004/May W5 (c) 2004 FIZ TECHNIK
File	583:	Gale Group Globalbase(TM) 1986-2002/Dec 13 (c) 2002 The Gale Group

10/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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03069551 E.I. Monthly No: EI9106063555

Title: Two-processor system for LU factorization of five-diagonal matrix.

Author: Milovanovic, E. I.; Stojcev, M. k.; Milovanovic, I. Z.

Corporate Source: Elektronski fakultet, Yugosl

Source: International Journal of Electronics v 70 n 1 Jan 1991 p 11-22

Publication Year: 1991

CODEN: IJELA2 ISSN: 0020-7217

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9106

Abstract: A parallel algorithm is described for LU decomposition of five-diagonal matrices suitable for implementation on a general purpose multiprocessor system. Solving grain size and load-balancing problems were of primary importance in the proposed algorithm. According to the task precedence graph for the proposed mathematical model, the conclusion is reached that the optimal number of processors in the multiprocessor system is two. Thanks to good load-balancing obtained by the proposed mathematical model the number of communications is not extensive, so really high parallelism is obtained. Two different architectures are proposed: the first is of bus-connect type with **sharable memory**; in the second the connection between the processors is realized by dual-port RAM. The processors are of single- **board** computer (SBC) **type**. (Author abstract) 11 Refs.

Descriptors: *COMPUTER PROGRAMMING--*Algorithms; MATHEMATICAL TECHNIQUES --Matrix Algebra; COMPUTER SYSTEMS, DIGITAL--Multiprocessing; DATA STORAGE, DIGITAL--Random Access

Identifiers: FIVE-DIAGONAL MATRICES; LV FACTORIZATION; DUAL-PORT RAM

Classification Codes:

723 (Computer Software); 921 (Applied Mathematics); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

10/5/2 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5093672 INSPEC Abstract Number: B9512-6210L-085, C9512-6130G-007

Title: File-based network collaboration system

Author(s): Takahashi, T.; Shimbo, A.; Murota, M.

Author Affiliation: Inf. & Commun. Syst. Res. Labs., Toshiba Corp., Kawasaki, Japan

Conference Title: Proceedings of the Fifth USENIX UNIX Security Symposium p.95-104

Publisher: USENIX Assoc, Berkeley, CA, USA

Publication Date: 1995 Country of Publication: USA 223 pp.

Conference Title: Proceedings of 5th USENIX UNIX Security Symposium

Conference Sponsor: USENIX

Conference Date: 5-7 June 1995 Conference Location: Salt Lake City, UT, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Computer supported cooperative work (CSCW) requires coordinated access to shared information over **computer networks**. There are a large number of tools aimed at helping users to work cooperatively but these tend to be application specific, leading to proliferation and requiring a large amount of development effort. A more general purpose mechanism would keep the number of tools manageable, and would obviate the need to develop a completely new tool for each problem area. Data security is also a very important requirement in distributed systems. A solution to the problems of cooperative working must take this security requirement into account. The paper describes a mechanism aimed at both problems: a general purpose tool for cooperative working that is more secure than existing proposals. Our

approach is novel in that we do not require explicit locking. Client routines act upon user requests to insert or delete blocks in a file, and request a file **server** to modify a **shared** file according to those requests. The file server receives encrypted requests asynchronously and merges these requests into the current version of the document without decrypting the requests. We call this mechanism "privacy enhanced merging". Our current implementation includes a concurrent editing application that we call "**Network BBS**"; the server is able to make use of a conventional file system. This is an experimental tool of our proposed "Collaborative File System". (8 Refs)

Subfile: B C

Descriptors: cryptography; file servers; groupware

Identifiers: file based **network** collaboration system; file-based **network** collaboration system; computer supported cooperative work; CSCW; coordinated access; shared information; **computer networks**; general purpose mechanism; distributed systems; security requirement; general purpose tool; client routines; user requests; file server; shared file; encrypted requests; privacy enhanced merging; concurrent editing application; **Network BBS**; Collaborative File System

Class Codes: B6210L (Computer communications); B6120B (Codes); C6130G (Groupware); C6150N (Distributed systems software); C6130S (Data security); C0310D (Computer installation management); C5690 (Other data communication equipment and techniques)

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10/5/3 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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4445793 INSPEC Abstract Number: C9308-6115-024

Title: **Overview of the KOAN programming environment for the iPSC/2 and performance evaluation of the BECAUSE test program 2.5.1**

Author(s): Bodin, F.; Priol, T.

Issued by: Inst. Nat. Recherche Inf. Autom., Le Chesnay, France

Publication Date: Dec. 1992 Country of Publication: France 16 pp.

Report Number: 1821

Language: English Document Type: Report (RP)

Treatment: Practical (P)

Abstract: The KOAN project has been set up to investigate the use of the **shared** virtual **memory** (SVM) paradigm on direct memory parallel computers (DMPCs) and to check whether this concept is adequate to DMPCs or not. Within this project, several aspects are addressed: SVM design, programming interface, parallel code generation and experiments with parallel algorithms. Earlier results demonstrate that a SVM can be an efficient tool for programming DMPCs. However it does not itself solve the problem of programming DMPCs. For SVM to be successful, it is necessary to find and develop specific techniques for large parallel applications and also to design compiler capable of generating efficient parallel codes. This is the main objective of the KOAN project. This paper presents a Fortran programming interface, called Fortran-S. It automatically generates parallel codes for the KOAN SVM running on a iPSC/2 hypercube. The paper outlines some of its functionalities on an example from the Because Benchmark Set (**BBS .2.5.1**). (10 Refs)

Subfile: C

Descriptors: FORTRAN; programming environments; virtual storage

Identifiers: KOAN programming environment; KOAN project; Fortran programming interface; Fortran-S; parallel codes; iPSC/2 hypercube; Because Benchmark Set; **BBS .2.5.1**

Class Codes: C6115 (Programming support); C6120 (File organisation); C6140D (High level languages)

10/5/4 (Item 1 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

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Set	Items	Description
S1	23633	BBS OR BULLETIN()BOARD() (SUBUNIT? OR SUB()UNIT?) OR BOARD(-2N)TYPE?
S2	30796	(SHARED OR SHARABLE) (4N) (STORAGE OR STORE? ? OR MEMORY OR -SERVER? OR CPU OR HOST? OR REPOSITORY? OR NODE?)
S3	10485858	NETWORK? OR INTERNET OR WWW OR WORLDWIDE()WEB OR WORLD()WI-DE()WEB OR COMPUTER()NETWORK? OR ONLINE OR ON()LINE OR PORTAL? OR INTRANET? OR LAN OR WAN
S4	7	S1 (S) S2 (S) S3
S5	10	S1 (S) S2
S6	7999	S1 (S) S3
S7	10	S4 OR S5
S8	9	S7 NOT PY>2000
S9	9	S8 NOT PD>20000330
S10	8	RD {unique items}
File	15:ABI/Inform(R)	1971-2004/Jun 16 (c) 2004 ProQuest Info&Learning
File	810:Business Wire	1986-1999/Feb 28 (c) 1999 Business Wire
File	647:CMP Computer Fulltext	1988-2004/Jun W1 (c) 2004 CMP Media, LLC
File	275:Gale Group Computer DB(TM)	1983-2004/Jun 16 (c) 2004 The Gale Group
File	674:Computer News Fulltext	1989-2004/Jun W2 (c) 2004 IDG Communications
File	696:DIALOG Telecom. Newsletters	1995-2004/Jun 15 (c) 2004 The Dialog Corp.
File	624:McGraw-Hill Publications	1985-2004/Jun 15 (c) 2004 McGraw-Hill Co. Inc
File	621:Gale Group New Prod. Annou. (R)	1985-2004/Jun 16 (c) 2004 The Gale Group
File	636:Gale Group Newsletter DB(TM)	1987-2004/Jun 15 (c) 2004 The Gale Group
File	813:PR Newswire	1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File	613:PR Newswire	1999-2004/Jun 16 (c) 2004 PR Newswire Association Inc
File	16:Gale Group PROMT(R)	1990-2004/Jun 16 (c) 2004 The Gale Group
File	160:Gale Group PROMT(R)	1972-1989 (c) 1999 The Gale Group
File	553:Wilson Bus. Abs. FullText	1982-2004/Jun (c) 2004 The HW Wilson Co

10/5,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01695681 SUPPLIER NUMBER: 16187784 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Opening the lines of communication: software that will keep you connected.
(reviews of seven communications packages for Windows) (includes shopping tips) (Software Review) (Evaluation)
Kawamoto, Wayne; Keizer, Gregg
Computer Shopper, v14, n9, p516(10)
Sept, 1994
DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4620 LINE COUNT: 00386

ABSTRACT: Datastorm Technologies Inc's \$179 Procomm Plus for Windows 2.0 wins top ratings in an evaluation of seven data communications packages for Windows. Procomm is the most comprehensive and most powerful Windows communications package on the market, handling virtually any kind of over-the-phone data exchange. Version 2.0's most significant improvement is its fax capabilities, which truly shine when assigned heavy tasks. Other outstanding packages are Hilgraeve Inc's \$149 HyperAccess 1.02 and Delrina Corp's \$129 WinComm Pro 1.0b, which win top scores for their ease of use. Both packages provide excellent interfaces blended with outstanding power. WinComm's lower price makes it slightly the better choice. Mustang Software Inc's \$99 QmodemPro for Windows 1.10 has some tempting BBS and fax capabilities and an excellent interface, but it is not the most powerful package available. Its features will appeal more to proficient BBS users than to business communicators.

SPECIAL FEATURES: illustration; table
COMPANY NAMES: Digital Communications Associates Inc.--Products; Hilgraeve Inc.--Products; DATASTORM Technologies Inc.--Products; Mustang Software Inc.--Products; Relay Technology Inc.--Products; Hayes Microcomputer Products Inc.--Products; Delrina Corp.--Products
DESCRIPTORS: Data Communications Software; Evaluation; Comparison
SIC CODES: 7372 Prepackaged software
TICKER SYMBOLS: DCA
TRADE NAMES: Crosstalk for Windows 2.1.0 (Data communications software)--evaluation; HyperAccess 1.02 (Data communications software)--evaluation; Procomm Plus for Windows 2.0 (Data communications software)--evaluation; QmodemPro for Windows 1.10 (Data communications software)--evaluation; Smartcom for Windows (Data communications software)--evaluation; WinComm Pro 1.0b (Data communications software)--evaluation; Relay/PC Gold for Windows 6.0 (Data communications software)--evaluation
OPERATING PLATFORM: Microsoft Windows
FILE SEGMENT: CD File 275
... Smartcom III. The program comes with a couple of limited scripts (for logging onto CompuServe and Hayes' BBS), eight file-transfer protocols, and eight terminal emulations, including RIPscript. Keyboard mapping easily redefines keys to match those on emulated terminals. Smartcom can also connect to various LAN hosts and use shared communications services.

Hayes' easy-to-read manuals provide thorough background information and walk you through an initial...

10/5,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01644332 SUPPLIER NUMBER: 16214428
Desperately seeking security: protect your data from prying eyes. (includes related article on Service Hero) (Conspicuous Consumer) (Column)
Branscum, Deborah
Macworld, v11, n10, p181(2)
Oct, 1994

ABSTRACT: A guide to maintaining Macintosh security is presented. Good management and sound security policies are at least as important as choosing good security products, if not more so; no security product is effective if its use is not properly planned. Consultant Bruce Schneier says that the six enemies of computer security are error, ego, enmity, embezzlement, extortion and espionage; data is often lost accidentally due to user error, or outsiders may break into a system to steal trade secrets or simply to feel important. Confidential information may accidentally be posted to an **online** service if it is not reviewed before posting. Dedicating a printer to confidential data helps ensure internal security. Joint files that are shared too broadly are another security risk. Schneier recommends establishing such countermeasures as creating security policies and procedures, educating users, using special hardware and software as needed and monitoring the security system regularly. Every **server**, ARA connection, **shared** volume, **Internet** connection, ISDN link, **BBS** and E-mail account must be password protected.

DESCRIPTORS: Data security; Guidelines; Work group computing; Network Management
SIC CODES: 7372 Prepackaged software
FILE SEGMENT: CD File 275

...ABSTRACT: to steal trade secrets or simply to feel important. Confidential information may accidentally be posted to an **online** service if it is not reviewed before posting. Dedicating a printer to confidential data helps ensure internal...

...procedures, educating users, using special hardware and software as needed and monitoring the security system regularly. Every **server**, ARA connection, **shared** volume, **Internet** connection, ISDN link, **BBS** and E-mail account must be password protected.

10/5,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01511181 SUPPLIER NUMBER: 12062628 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Ethernet adaptors. (PC User Lab NSTL Lab Report) (includes related articles on standards, ethernet cabling, the OSI model and the NSTL Labs) (Software Review) (Evaluation)
PC User, n180, p128(16)
March 11, 1992
DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6845 LINE COUNT: 00580

ABSTRACT: Eleven Ethernet adaptor cards are evaluated across several criteria bases. Tests involve running software packages across an Ethernet network using the specific cards from the different vendors. The tests work with cc:mail, Lotus 1-2-3, WordPerfect, FoxPro, a low-level IPX chat and a low-level read from server disk cache. The overall top choice is 3Com Corp's Etherlink16 which incorporates excellent performance and usability, helpful features, but is a bit more expensive at 305 pounds sterling than some of the other reviewed products. 3Com's reputation for quality support might help justify the extra cost. PureData Ltd's PD18023-16 and SMC Corp's Elite 16 are the next best choices, combining good performance scores with ease of use and a variety of features. Both can function as servers or workstation adaptors. The Hayes EtherMate Trio 16 from Hayes Microcomputer Products Inc is the cheapest product of the eleven reviewed and costs 135 pounds sterling.

SPECIAL FEATURES: illustration; table; chart; graph
COMPANY NAMES: Hayes Microcomputer Products Inc.--Products; Artisoft Inc.

--Products; Compex Inc. (Anaheim, California)--Products; Gateway Communications Inc.--Products; Intel Corp.--Products; Eagle Technology Inc.--Products; Puredata Ltd.--Products; D-Link Systems Inc.--Products; Mylex Corp.--Products; 3Com Corp.--Products; Standard Microsystems Corp.--Products

DESCRIPTORS: Evaluation; LAN Adapter; Top Rating

SIC CODES: 7373 Computer integrated systems design; 3571 Electronic computers; 7371 Computer programming services; 3577 Computer peripheral equipment, not elsewhere classified; 3674 Semiconductors and related devices; 8711 Engineering services; 3341 Secondary nonferrous metals

TICKER SYMBOLS: GWAY; ASFT; INTC; COMS; MYLX

TRADE NAMES: Hayes Microcomputer Products EtherMate Trio16 (Communications board)--evaluation; D-Link Systems DE-200TT (Communications board)--evaluation; Mylex LN1390 (Communications board)--evaluation; 3Com EtherLink 16 (Communications board)--evaluation; SMC Elite 16 (Communications board)--evaluation; Artisoft LANtastic AE-2 (Communications board)--evaluation; Compex ENET16/Universal (Communications board)--evaluation; Gateway Communications G/Ethernet 16 (Communications board)--evaluation; Intel EtherExpress16 (Communications board)--evaluation; Eagle Technology NE2000 (Communications board)--evaluation; PureData PD18023-16 (Communications board)--evaluation

OPERATING PLATFORM: Ethernet

FILE SEGMENT: CD File 275

... benchmark results, they provide a more comprehensive analysis.

Ethernet adaptor performance depends on the amount of on-board RAM, the type of buffering used to transmit and receive Ethernet frames, the susceptibility to electrical noise, the data bus width employed, the adaptor-to-host transfer method (bus mastering, I/O mapping, shared memory, or DMA), the controller chip set and the efficiency of software drivers.

All the adaptors comply with...

10/5,K/4 (Item 4 from file: 275)
 DIALOG(R)File 275:Gale Group Computer DB(TM)
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01508665 SUPPLIER NUMBER: 12029102 (USE FORMAT 7 OR 9 FOR FULL TEXT)
 InstantCom/CS. (network modem sharing software from Instant Information Inc.) (brief article) (Product Announcement)
 Software Magazine, v12, n4, p49(1)
 March 15, 1992
 DOCUMENT TYPE: Product Announcement ISSN: 0897-8085 LANGUAGE:
 ENGLISH RECORD TYPE: FULLTEXT
 WORD COUNT: 131 LINE COUNT: 00010

COMPANY NAMES: Instant Information Inc.--Product introduction

DESCRIPTORS: Product Introduction; Network Software; Data Communications Software; File Transfer; Distributed Systems; Modem

SIC CODES: 4822 Telegraph & other communications; 7372 Prepackaged software

TRADE NAMES: InstantCom/CS 2.0 (Communications software)--Product introduction

OPERATING PLATFORM: NetWare

FILE SEGMENT: CD File 275

... VT100 and VT220; eight file transfer protocols; a script language with over 200 commands; and a remote BBS mode. Up to four network users are able to share a modem simultaneously while communicating with an X/PC host, such as BT Tymnet. Shared modems on a network can be accessed by any communications software that supports the INT14 communications interface.

Pricing for a one...

10/5,K/5 (Item 5 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01356013 SUPPLIER NUMBER: 08324606 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Futurebus+ now: profiles defined, support expanded.
Andrews, Warren
Computer Design, v29, n7, p22(3)
April 1, 1990
ISSN: 0010-4566 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1264 LINE COUNT: 00105

ABSTRACT: Drafts of specifications have been released for the bus Futurebus+ including Draft 4.0 of the physical layer and profile, Draft 8.2 of the logical layer and other drafts that involve connector requirements, electrical characteristics of BTL interface circuits and the VME-to-Futurebus+ bridge. Draft 4.0 defines live-insertion mechanism, node management, vendor and module IDs, pin nomenclature and serial and JTAG interfaces. Draft 8.2 provides for technological independence but does not define **board** dimensions, connector **type** and pin configuration or power requirements. Four standard profiles are defined which include medium-performance modular multimaster systems, high-performance **shared - memory** multiprocessor systems, cable interconnection for communication and microcomputer applications. Various companies are working on developing semiconductor chips to support Futurebus+.
CAPTIONS: Futurebus+ profile options. (table)

SPECIAL FEATURES: illustration; table
DESCRIPTORS: Buses; Integrated Circuits; Computer Industry; Standard; Bridge/Router
SIC CODES: 3674 Semiconductors and related devices
FILE SEGMENT: CD File 275

...ABSTRACT: nomenclature and serial and JTAG interfaces. Draft 8.2 provides for technological independence but does not define **board** dimensions, connector **type** and pin configuration or power requirements. Four standard profiles are defined which include medium-performance modular multimaster systems, high-performance **shared - memory** multiprocessor systems, cable interconnection for communication and microcomputer applications. Various companies are working on developing semiconductor chips...

10/5,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01260461 SUPPLIER NUMBER: 07169723 (USE FORMAT 7 OR 9 FOR FULL TEXT)
OS-2 protected-mode programming with Forth, LISP, Modula-2, and BASIC.
(technical)
Schulman, Andrew
Microsoft Systems Journal, v3, n6, p25(28)
Nov, 1988
DOCUMENT TYPE: technical ISSN: 0889-9932 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 12098 LINE COUNT: 00923

ABSTRACT: Four programming languages used for OS-2 protected-mode programming are compared. These languages are UR-FORTH, XLISP, Modula-2, and Microsoft BASIC. Among the aspects of each product that are considered are: how well it handles function calls to the API and how well calls are integrated, conversions required between OS-2 data types and the language's intrinsic data types, and ease of creating OS-2 data structures; effects of inherent multitasking capabilities on OS-2 programming; differences between the OS-2 and MS-DOS or 386 versions of the language, and OS-2 features utilized by the language. Each of the languages has certain excellent points; these are summarized.
CAPTIONS: Source code listings. (program); Language comparison chart.

{table}; Vendor information. (table)

SPECIAL FEATURES: 'illustration; program; table
DESCRIPTORS: Programming Language; Analysis; Comparison; BASIC; LISP;
FORTH; Modula-2; Programming; OS/2
SIC CODES: 7372 Prepackaged software
OPERATING PLATFORM: OS-2
PROGRAMMING LANGUAGE: LISP; Modula-2; BASIC; FORTH
FILE SEGMENT: CD File 275

... Some other "goodies" for UR/FORTH include: the file OS2.SCR, which is an extensive demonstration of **shared memory**, queues, pipes, and so on; a file with the unlikely name URPOUN.ARC, with which you can create OS/2 data structures; also, the LMI **BBS** has applications like SEE (a Forth decompiler); a turtle graphics package for UR/FORTH; and URTCO (a...

10/5,K/7 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03015206 Supplier Number: 46153478 (THIS IS THE FULLTEXT)
ALANTEC ADDS TO ITS POWERHUB FAST ETHERNET DESKTOP, WORKGROUP RANGE
Computergram International, n2853, pN/A
Feb 16, 1996
ISSN: 0268-716X
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 228
TEXT:

Atlantec Inc, San Jose has expanded its Fast Ethernet switching offerings with four modules for its PowerHub desktop and workgroup range. The new products include a 6x1 Universal Fast Ethernet Module and a 2x8 Fast Ethernet microsegment module for Atlantec's flagship PowerHub 7000; alongside a 2x12 Fast Ethernet microsegment module and a 1x12 Fast Ethernet microsegment module for the PowerHub 6000. According to the San Jose, California-based company, the addition of four new modules enables implementation of Fast Ethernet throughout the enterprise. The 7360 6x1 module, is a single-slot module featuring two on- **board** RISC processors - **type** not specified - ARM? Alpha? - as well as its own **shared memory**. The module is designed to perform packet processing functions to reduce the load on the PowerHub's central processors. The additional three microsegment modules, featuring 100Base T repeater technology, all support full-featured bridging, 802.1d Spanning Tree, multiprotocol routing and multilayer virtuallocal **networks**, according to the company. Atlantec boasts that they can provide shared Fast Ethernet at a lower price point than dedicated switches to workgroups needing more bandwidth, but not dedicated 100Mbps lines. The 7360 6x1 costs \$5,950 and is available immediately while the 7380 2x8 segment will be priced at \$7,950 when it is available next quarter. The 6220 2x12 and the 6222 1x12 are also promised for next quarter, but the company did not give their prices.

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PUBLISHER NAME: ComputerWire, Inc.

COMPANY NAMES: *ALANTEC Corp.

EVENT NAMES: *330 (Product information)

GEOGRAPHIC NAMES: *1USA (United States)

PRODUCT NAMES: *3661250 (Data Communications Systems)

INDUSTRY NAMES: CMPT (Computers and Office Automation); INTL (Business, International)

NAICS CODES: 33421 (Telephone Apparatus Manufacturing)

TICKER SYMBOLS: ALTC

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Fast Ethernet throughout the enterprise. The 7360 6x1 module, is a single-slot module featuring two on- **board** RISC processors - **type** not

specified - ARM? Alpha? - as well as its own **shared memory**. The module is designed to perform packet processing functions to reduce the load on the PowerHub's...

...T repeater technology, all support full-featured bridging, 802.1d Spanning Tree, multiprotocol routing and multilayer virtuallocal **networks**, according to the company. Atlantec boasts that they can provide shared Fast Ethernet at a lower price...

10/5,K/8 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
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0232345

AT006

HAYES ANNOUNCES ISDN PC ADAPTER AND DEVELOPERS' SUPPORT PROGRAM

DATE: January 8, 1990 10:31 EST WORD COUNT: 1,883

ATLANTAJan. 8 /PRNewswire/ -- Hayes Microcomputer Products Inc. today announced the commercial availability of the Hayes ISDN PC Adapter, an internal terminal adapter designed to provide the installed base of IBM PC and compatible computers with access to sophisticated ISDN services.

In conjunction with the Hayes ISDN PC Adapter, the company also announced a developers' support program targeted for ISDN applications software developers.

The Hayes ISDN PC Adapter implements the CCITT Basic Rate Interface (2B+D) of ISDN and allows for simultaneous voice and data communications. Specific features include support of Northern Telecom DMS-100 and AT&T 5ESS central office switches, CCITT X.25 and ANSI V.120 protocols, high-speed data transfer rates for circuit-switched and packet-switched data, as well as comprehensive support for ISDN voice services.

As part of the developers' support program, Hayes announced the availability of the Hayes ISDNBIOS Interface Programmer's Guide. The Hayes ISDNBIOS Interface is a high-speed, full-featured program interface used for the development of software applications for the Hayes ISDN PC Adapter.

Designed for extensive multisession activities, the Hayes ISDNBIOS Interface supports either individual or networked applications environments. The ISDNBIOS Interface is particularly useful for developing applications designed for local and wide area networking via ISDN. Created for flexibility and expansion, the interface supports a broad spectrum of ISDN features and services.

The Hayes ISDNBIOS Interface complements the Hayes Standard AT Command Set Enhanced for ISDN, which allows current data communications packages to perform in an ISDN environment and provides a clear path for adding voice call control and management.

"Over the past four years, we have been actively involved in the development and implementation of ISDN technology. In fact, we could have shipped a commercial product over a year ago. We chose to make the investment in our Early Placement Program and participation in ISDN trials so that we could better understand how to support a variety of environments and applications," said Hayes President Dennis C. Hayes. "In order to market ISDN products, we must support the developer and reseller community with programs designed to ensure their success."

Through the company's new developers' support program, ISDN software developers will be able to obtain technical documentation and support from Hayes engineers to develop applications programs. Hayes has opened a developers' lab in Atlanta, Georgia, allowing access to ISDN lines for testing. Qualified developers will also receive special product pricing, attend Hayes-sponsored conferences designed to help advance their applications, and access a Developers' SIG (Special Interest Group) on the "Online With Hayes" electronic bulletin board system.

The Hayes ISDN PC Adapter, available in North America mid-1990, has an estimated retail price of \$1599 in the United States and CN\$2199 in Canada. The Hayes ISDN PC Adapter will initially be available through telephone companies, switch manufacturers, and a select group of Hayes Advanced Systems Resellers who are certified to sell, install and support this product. The company's ultimate goal for the Hayes ISDN PC Adapter will be a wider distribution through Hayes Advanced Systems Resellers.

Developers may register for Hayes ISDNBIOS Interface documentation for \$125 in the United States, CN\$150 in Canada, HK\$1000 in Hong Kong, and BPS 100 in the United Kingdom. For more information concerning the developers' support program and the ISDN documentation, contact Hayes Customer Service at (404) 441-1617 (United States), (416) 283-2627 (Canada), (852) 845-9818 (Hong Kong) or 01-848-1858 (United Kingdom).

Feature Overview

HAYES ISDN PC ADAPTER

The Hayes ISDN PC Adapter implements the CCITT ISDN Basic Rate Interface (2B+D) supporting simultaneous voice and data communications. This internal terminal adapter is designed for the installed base of IBM PC XT, AT and compatible personal computers. Specific ISDN features include support of Northern Telecom DMS-100 and AT&T 5ESS central office switches, CCITT X.25, ANSI V.120, high speed data rates for circuit switched and packet switched data, as well as comprehensive ISDN voice services.

ISDN SERVICES (Basic Rate Access)

Data Capabilities

Circuit switched data connection on a B channel can transmit at high speeds using either X.25 or V.120 protocols for rate adaption and flow control, and error control provided by LAPB Link Layer protocol. Packet switched data can be provisioned on a B Channel with up to 8 sessions and error control provided by X.25 and LAPB Link Layer protocol. Packet switched data provisioned on the D Channel can also support up to 8 sessions and error control is provided through X.25 and LAPD Link Layer protocol. The actual total number of data sessions is dependent on the PC system memory available and central office switch line provisioning.

Voice Capabilities

Circuit switched voice communications is available on one of the B channels using an analog phone attached to the RJ-11 connector on the adapter's back bracket. An external power supply is also included to provide voice communications even when the PC is powered off.

The supported ISDN voice services include Basic Call Control; Flexible Call Offering - Conference, Drop, Transfer, Hold, Retrieve; Incoming and Outgoing Calling Line Identification; Feature Button Support for Supplementary Services; two call appearances, and in-band B channel Dual Tone Multiple Frequency (DTMF) signals. Speed calling, call forwarding, call park, call pickup are examples of the Supplementary Services the ISDN PC Adapter supports. The exact options of the Feature Buttons supported are switch dependent.

Supported Service Options

Combinations of these services are dependent on the switch's line provisioning and software generic. The Hayes ISDN PC Adapter will support the options listed below.

Service Options				Switch Support	
B	B	B	D	NT	ATT
Voice	CSD	PSD	PSD	DMS-100	5ESS
				Yes	Yes
				Yes	Yes
				Yes	No

Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	No

SWITCH/ **NETWORK** COMPATIBILITY

Switch Support

The Hayes ISDN PC Adapter System Software is the executable code that is uploaded to the adapter's on-board RAM by the PC at installation. This flexibility provides a smooth product upgrade path to address changes in standards and future enhancements. The ISDN PC Adapter system will be certified with the AT&T 5ESS Generic 4.2, and the Northern Telecom DMS-100 BCS 29 in a Point-to-Point or Passive Bus configuration.

Hayes will continue to develop System Software that will support additional switches and switch enhancements as the markets develop and these features become widely available to the general public.

The adapter supports CPE Addressing through Dynamic Terminal Endpoint Identifier (TEI) assignment for SAPI-0 and Fixed TEI assignment for SAPI-16 and Broadcast TEI for SAPI-63. **Network Support**

Supports 64K Unrestricted or 56K restricted **network** transmission.

ISDN STANDARDS SUPPORT

Hayes supports Northern Telecom DMS-100 and AT&T 5ESS implementations of CCITT Q.931/I.451 which provides signaling and call control, and CCITT Q.921/I.441 which implements the specified Data Link Layer and provides error control. The Hayes ISDN PC Adapter also supports the CCITT I.430 **network** interface, and ANSI V.120 and CCITT X.25 for rate adaption and flow control. CCITT X.3 and X.29 are implemented for X.25 packet switched data on the B or D channel. X.28 functionality is provided through the Hayes Standard AT Command Set Enhanced for ISDN.

INTERFACES

Analog Interface

The analog interface is provided via an RJ-11 connector on the ISDN PC Adapter's back bracket. The adapter provides ring equivalence to support up to three 2500-type telephones and compatible analog devices such as modems and Group III facsimile machines through the single RJ-11 connector. **ISDN Line Interface**

An RJ-45 connector on the back bracket is the physical interface for the ISDN Basic Rate S/T interface. **PC Host Interface**

Through two separate software interfaces, the adapter supports a serial data interface, like a modem, accessed via a COM port; and high speed data transfers are performed via **shared PC memory** (two port RAM) using the Hayes ISDNBIOS Interface. Voice and data calls can be monitored and controlled through either of these interfaces.

TRANSMISSION MODES

When using the Hayes Standard AT Command Set Enhanced for ISDN, the following asynchronous character formats are supported in the adapter according to the following speeds and protocols:

Data Formats:

- 7 data bits and 1 parity bit (even, odd, mark, or space),
- 8 data bits with no parity, and
- 1, 1.5, or 2 stop bits in the DTE-to-DCE direction, or
- 1 stop bit in the DCE-to-DTE direction.

DTE Serial Interface Speeds supported:

- 300, 1200, 2400, 4800, 9600, 19,200, 38,400 bits per second.

Through the Hayes ISDNBIOS Interface, the ISDN PC Adapter

supports actual data transfers of over 50,000 bps. Rate adaption protocols are used to guarantee flow-controlled, in-sequence, unduplicated, and error controlled delivery of data.

TA CONTROL AND OPERATION

Hayes Standard AT Command Set

Enhanced For ISDN

Standard mode of operation is access via the Hayes Standard AT Command Set Enhanced for ISDN. The interface supports autobauding up to 38.4K bps. This allows the terminal adapter to emulate a Hayes Smartmodem and provide higher speed data services with voice capabilities accessed through the 2500-type telephone. With the extensions that have been added to interface specifically to support ISDN, software applications can control voice calls from the PC, and establish multiple sessions over the 2B or D channels, and through virtual connections in X.25 sessions.

Hayes ISDNBIOS Interface

To support the higher data rates and access the multi-session capabilities of ISDN, Hayes has developed the Hayes ISDNBIOS Interface which provides an enhanced mode of operation. Through this interface based architecturally on IBM NETBIOS, users can achieve actual data transfer rates of over 50,000 bps. This interface allows multiple applications operating in foreground or background to use the Hayes ISDN PC Adapter simultaneously, and is well suited for access by Terminate and Stay Resident (TSR) programs. The Hayes ISDNBIOS Interface is also the preferred interface for development of wide area **networking (WAN)** applications.

Flow Control

When using the serial port, flow control between the terminal and terminal adapter is determined via AT commands.

Flow control is inherent in the Hayes ISDNBIOS Interface and is handled automatically.

Non-Volatile Memory

Non-volatile memory is provided to store configuration parameters. Once the Hayes ISDN PC Adapter has been configured for the line and environmental parameters of your system, it will remember this custom configuration even if the adapter is powered off or reset.

CONFIGURATION AND DIAGNOSTICS

An installation program helps the user identify their PC system configuration and install the Hayes ISDN PC Adapter with the appropriate System Software. The adapter performs a self-test upon installation.

OPERATING ENVIRONMENT

The Hayes ISDN PC Adapter is for use with IBM PC XT, AT or 100% compatible personal computers. The system needs DOS 3.1, 3.2, or 3.3 version, a hard disk with at least 1.5M bytes available, and 640K bytes of system memory is recommended.

HAYES DEVELOPERS' SUPPORT PROGRAM

ISDN SUPPORT OVERVIEW

First Quarter 1990

Documentation

Hayes Standard AT Command Set Enhanced for ISDN

Hayes ISDNBIOS Interface Programmer's Guide

Technical Notes

Developers' Conference

Developers' Technical Support

Electronic Developers' SIG on Hayes **BBS**

ISDN Developers' Lab

Second Quarter 1990

Hayes ISDNBIOS Interface Applications Development
Tools
Product Manuals
Limited Product Availability
Special Pricing for Qualified Developers

Third Quarter 1990

Complementary Marketing with Developers
Commercial Product Availability

CONTACT: Sharon O'Brien or Peggy Ballard, both of Hayes
Microcomputer Products, 404-449-8791

COMPANY NAME: HAYES MICROCOMPUTER PRODUCTS, INC.
PRODUCT: COMPUTER, ELECTRONICS (CPR)
DESCRIPTORS: NEW PRODUCTS & SERVICES (PDT)
STATE: GEORGIA (GA)
SECTION HEADING: BUSINESS; TECHNOLOGY

...Yes Yes

Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	No

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